MODEL

Wow and flutter

0.1% WRMS ± 0.3% (DIN)

Compact disc player section

System

Compact disc digital audio system

Laser

Semiconductor laser Wavelength=780 — 790 nm

#### General

Destination	Power requirements	Power consumption
Canadian model	120 V AC, 50 Hz	55 W
Australian model	220 — 240 V AC, 50 Hz	55 W
AEP, German, Italian, East European model	220 — 230 V AC, 50/60 Hz	55 W
UK model	240 V AC, 50 Hz	55 W
E, Saudi Arabia, Malaysia, Singapore model	110 — 120 V / 220 V — 240 V AC, 50/60 Hz Adjustable with the Voltage Selector	55 W

Dimensions

Approx.  $225 \times 285 \times 275$  mm (w/h/d)

incl. projecting parts and controls

Mass

Approx. 5.2 kg

Design and specifications subject to change without notice.

#### Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol [1] are trademarks of Dolby Laboratories Licensing Corporation.

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

#### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

#### SAFETY CHECK-OUT

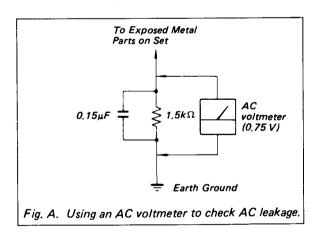
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

#### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



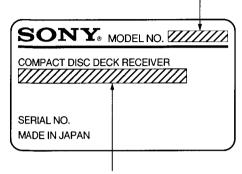
#### MODEL IDENTIFICATION

- Specification Labels -

AEP, German, Italian, E, Saudi Arabia, Australian,

Malaysia, Singapore model: HCD-H450

US, Canadian, AEP, East European, UK model: HCD-H450M



US, Canadian model: AC: 120V 60Hz

AEP, East Europoean model: AC: 220-230V~50/60Hz

UK, Australian model: AC:240V~50Hz German, Italian model: AC:220-230V~50HZ

E, Saudi Arabia, Malaysia,

Singapore model: AC: 110-120/220-240V~50/60Hz

#### WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

#### For customers in Europe

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT LUOKAN 1 LASERLAITE KLASS 1 LASERAPPARAT This appliance is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



This caution label is located inside the unit.

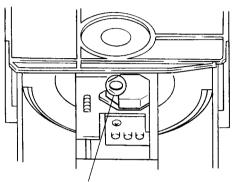
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## **SECTION 1 SERVICING NOTES**

#### LASER DIODE AND FOCUS SEARCH OPERATION **CHECK**

- 1. Make POWER switch on with no disc inserted and disc table closed.
- Confirm that the following operation is performed while observing the objecting lens.



- O Confirm that laser beam is spread.
- @ Up and down motion of the objective lens. (3 times)

#### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

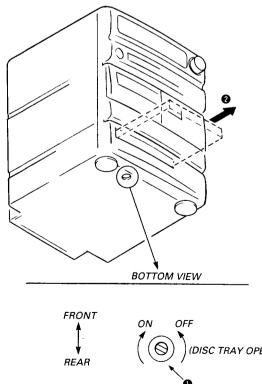
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

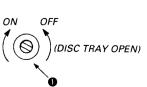
The flexible board is easily damaged and should be handled with care.

#### NOTES ON LASER DIODE EMISSION CHECK

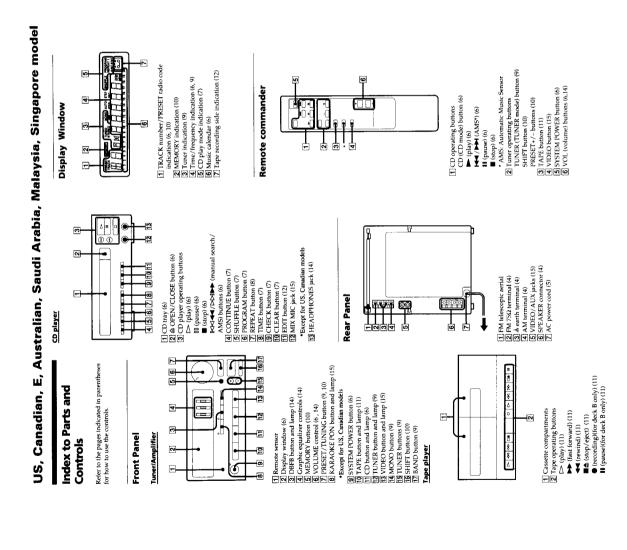
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

#### HOW TO OPEN THE DISC TRAY WHEN POWER SWITCH **TURNS OFF**



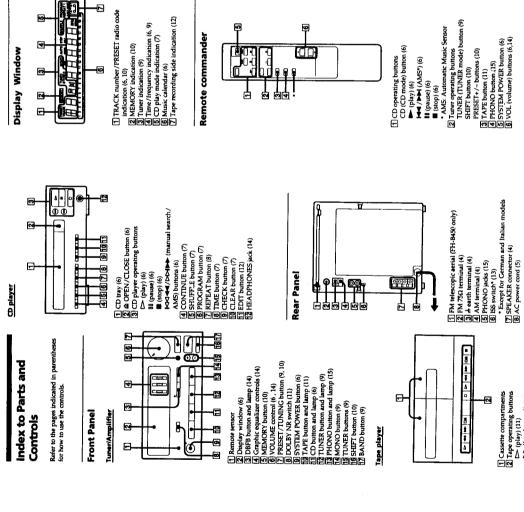


- (1) Insert to 1 for tapering driver, etc., and turn in the direction of arrow OFF. (Disc tray open)
- (2) Tray as come out little of front panel, pull out in the direction of arrow 2 by hand.



For Your Information

# AEP, German, Italian, East European, UK model

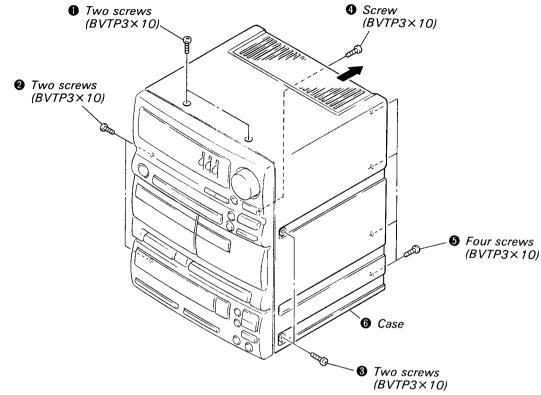


# SECTION 3 DISASSEMBLY

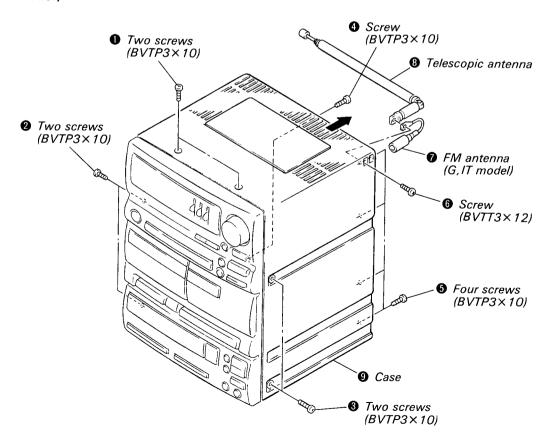
NOTE: Follow the disassembly procedure in the numerical order given.

#### 3-1. CASE REMOVAL

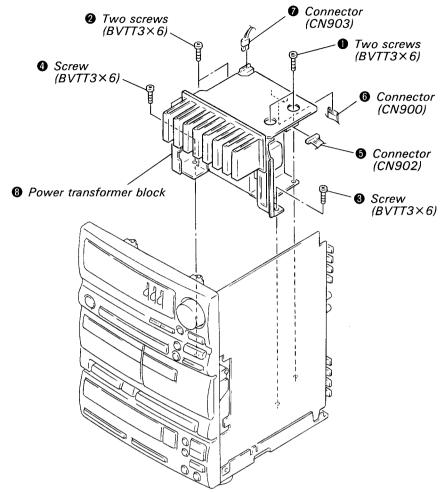
#### (HCD-H450M model)



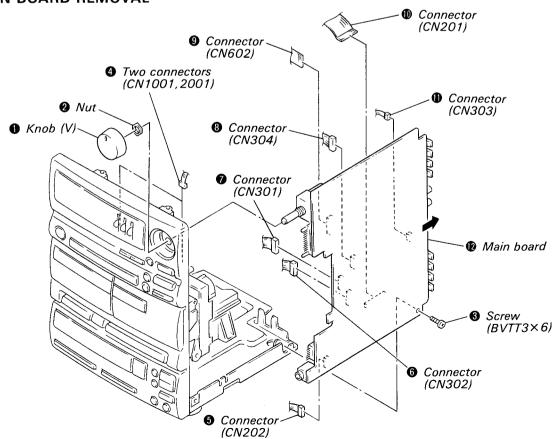
#### (HCD-H450 model)



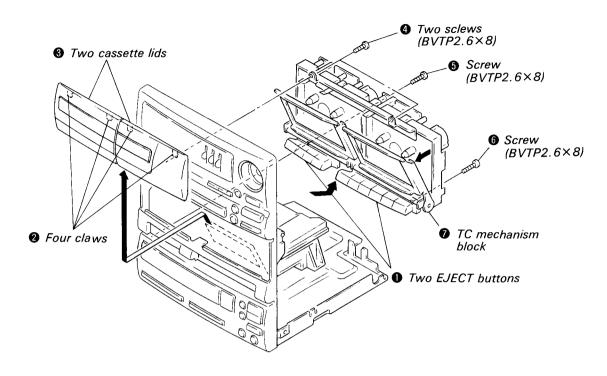
#### 3-2. POWER BLOCK REMOVAL



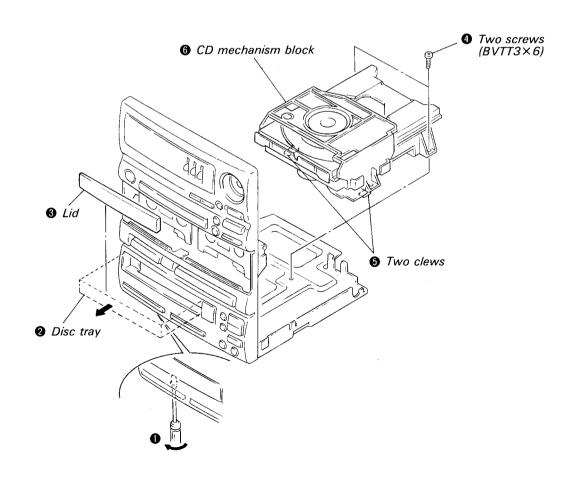
#### 3-3. MAIN BOARD REMOVAL



#### 3-4. TC MECHANISM BLOCK REMOVAL



#### 3-5. CD MECHANISM BLOCK REMOVAL



# **SECTION 4 DIAGRAMS**

#### 4-1. IC PIN DESCRIPTIONS

#### • IC351 TMP87CH46N-4067

• IC351	TMP8/CH46N-400	0/	
Pin No.	Pin Name	1/0	Pin Description
1	DATA	0	Command data to CXD2515Q.
2	CLK	0	Command clock to CXD2515Q.
3	PLAY	0	LED of PLAY.
4	SUBQ	I	To Q code output of CXD2515Q.
5	SQCLK	0	Clock of on read Q code.
6	PRGL	-	Not used.
7	XLT	0	For CXD2515Q latch.
8	SCOR	I	Large frame syncronization signal. 75Hz.
9	PAUSE	0	LED of PAUSE.
10	ICSW	0	CD power supply control pin. OFF: L, ON: H.
11	AMUTE	0	Mute. To CXD2515Q.
12	SCLK	0	Servo mode for read clock.
13	LDON	0	Laser diode ON/OFF.
14	_	_	Not used.
15	_	1-	Not used.
16	SENSE	I	SENSE of CXD2515Q.
17	TEST	I	Connect to GND.
18	RESET	I	Reset pin of microcomputer.
19	X1	I	Oscillator connecting input pin. 8MHz.
20	X2	0	Oscillator connecting output pin. 8MHz.
21	GND	T	GND
22	VAREF	I	Reference voltage of A/D change.
23	KEYIN0	I	A/D key input
24	KEYIN1	I	A/D key input
25	KEYIN2	I	A/D key input
26	DPCLK	0	Display clock
27	DPDAT0	0	Display data
28	DPDAT1	0	Display data
29	DPDAT2	0	Display data
30	DPDAT3	0	Display data
31	EMPH	0	Emphasis control
32	KEYREQ	I	Key request
33	AUBIN	I	AU BUS input pin
34	AUBOUT	0	AU BUS output pin
35	LODOUT	0	Tray out
36	LODIN	0	Tray in
37	OUTSW	I	Tray out switch
38	INSW	I	Tray in switch
39	A-FUNC	I	Auto function ON/OFF select
40	ADJ	I	CD test mode pin (ADJ). Normally, 5V pull up.
41	AFADJ	I	CD test mode pin (AFADJ). Normally, 5V pull up.
42	+5V	-	+5V power supply pin

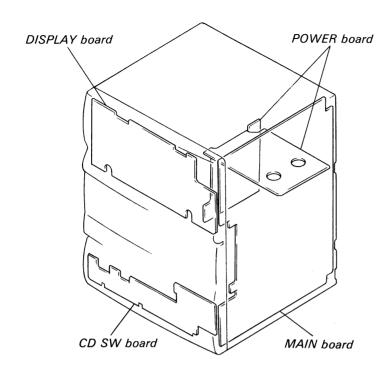
#### • IC501 μPD78042GF-053-3B9

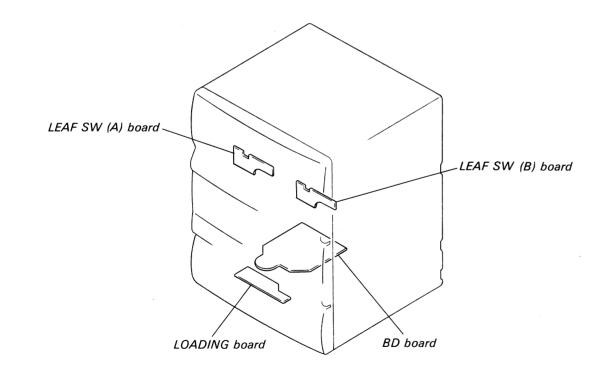
10501	μPD/6042GF-053-3		
Pin No.	Pin Name	1/0	Pin Description
1	7G	О	FL tube digit output
2	6G	0	FL tube digit output
3	5G	0	FL tube digit output
4	4G	0	FL tube digit output
5	3G	0	FL tube digit output
6	2G	0	FL tube digit output
7	1G	0	FL tube digit output
8	VDD	_	Microcomputer power (5V)
9	CL	0	Serial clock output to LC7218 (PLL IC).
10	SO/IF COUNT NG	0	Serial data output to LC7218 (PLL IC).
11	SI	I	Serial data input from LC7218 (PLL IC).
12	CE/TIMER CLOCK	I	Chip enable input from LC7218 (PLL IC).
13	TUNED IN	I	Modulation signal from tuner block. (L···Field)
14	STEREO IN	I	Stereo signal from tuner block. (L···FM STEREO received)
15	MUTING	0	Audio mute (L: Mute)
16	AUX. OUT	_	Not used.
17	RESET	_	Microcomputer reset pin
18	FUNCTION A	0	Function control
19	FUNCTION B	0	Function control
20	AVSS		A/D GND for key input.
21	DISPLAY. DATA. 3	I	CD display data bit 3
22	DISPLAY. DATA. 2	I	CD display data bit 2
23	DISPLAY. DATA. 1	I	CD display data bit 1
24	DISPLAY. DATA. 0	I	CD display data bit 0
25	AUB. OUT	0	AU BUS output
26	POWER ON/OFF	0	Power on/off
27	KEY IN1	I	Key input (A/D change line 1)
28	KEY IN2	I	Key input (A/D change line 2)
29	AVDD	_	A/D power for key input (5V)
30	AVREF	_	A/D reference voltage (5V)
31	CD. BUSY	I	At H, CD is Active. (At H, tuner is fundamentally not operated.)
32	_	_	Not used.
33	GND	1	Microcomputer GND
34	X1		Crystal connection pin for Main*clock oscillator.
35	X2		Crystal connection pin for Main•clock oscillator.
36	POWER. MUTE		Not used.
37	TAPE. LED	0	Tape function LED
38	CD. LED	0	CD function LED
39	TUNER. LED	0	Tuner function LED
40	PHONO/VIDEO. LED	0	PHONO/VIDEO function LED
41	DBFB	_	DBFB ON/OFF
42	K-PON	_	KARAOKE-PON ON/OFF
43	K-PON• LED	_	KARAOKE-PON LED
44	HOLD	I	Power cut detection pin (Normally: H, AC no connect: L)
-	•		

Pin No.	Pin Name	1/0	Pin Description
45	CD. CLOCK	I	CD display data clock
46	SIRCS IN	I	SIRCS input
47	AUB. IN	I	AU BUS input
48		_	Connect to GND.
49	FUNCTION. C		Not used.
50	VOL. DOWN	0	Volume control (VOL DOWN)
51	VOL. UP	0	Volume control (VOL UP)
52	VDD	_	Microcomputer power (5V)
53		_	Not used.
54	DIODE. IN2	I	Distination model discrimination input
55	DIODE. IN1	I	Distination model discrimination input
56	S20	_	Not used.
57	S19	0	Distination • model discrimination output
58	S18	0	Distination • model discrimination output
59	S17	_	Not used.
60	S16	0	Distination • model discrimination output
61	S15	0	Distination • model discrimination output
62	S14	_	Not used.
63		-	Not used.
64	S0	0	FL tube segment output
65	S1	0	FL tube segment output
66	S2	0	FL tube segment output
67	S3	0	FL tube segment output
68	S4	0	FL tube segment output
69	S5	0	FL tube segment output
70	S6	0	FL tube segment output
71	V. LOAD	_	Minus voltage for FL tube.
72	S7	0	FL tube segment output
73	S8	0	FL tube segment output
74	S9	0	FL tube segment output
75	S10	0	FL tube segment output
76	S11	0	FL tube segment output
77	S12	0	FL tube segment output
78		0	Not used.
79	9G	0	FL tube digit output
80	8G	0	FL tube digit output

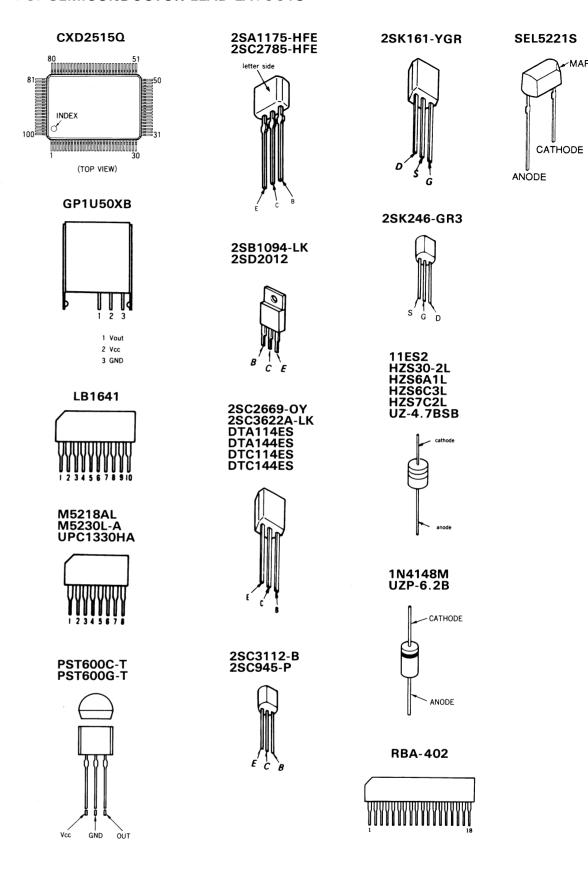
LEAF S

#### 4-2. CIRCUIT BOARD LOCATION





#### 4-3. SEMICONDUCTOR LEAD LAYOUTS



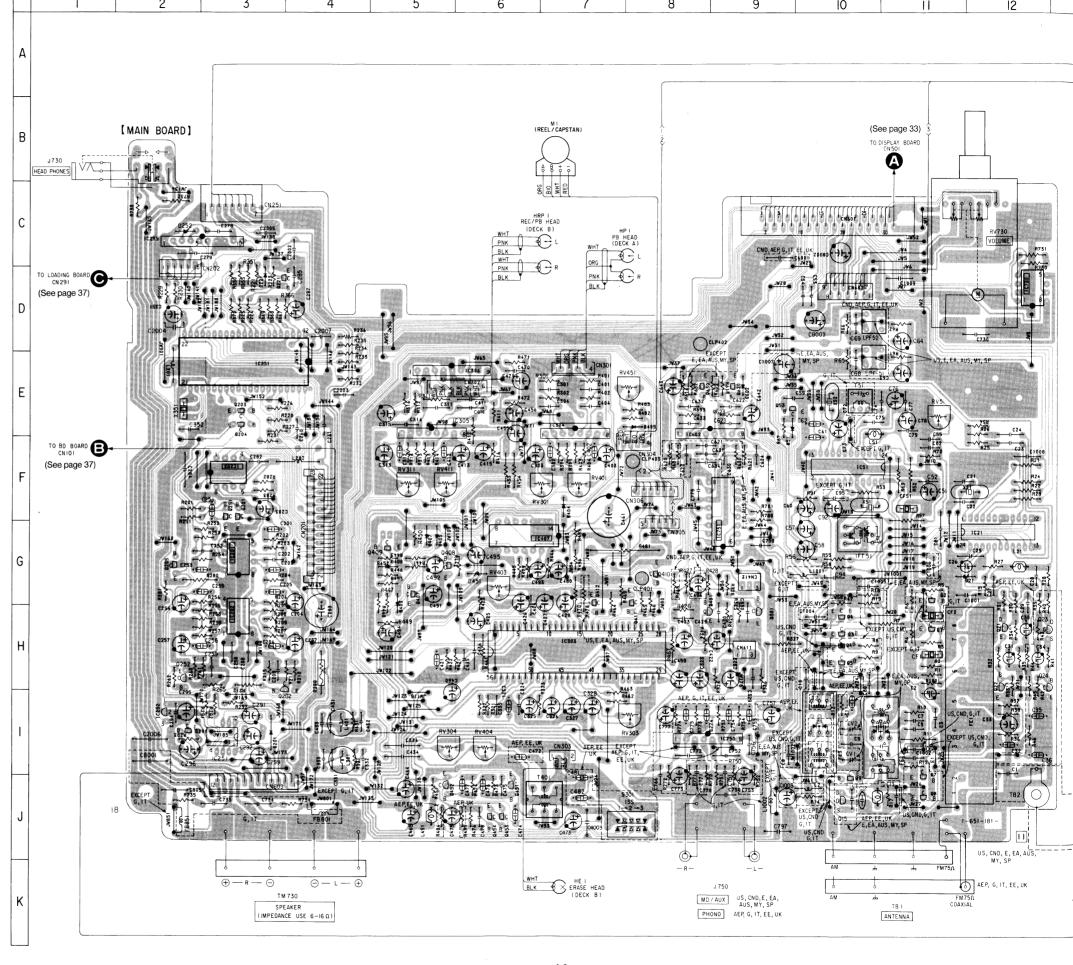
## 4-4. PRINTED WIRING BOARDS -MAIN/POWER Section - See page 13, 14 for Circuit Boards Location and Semiconductor Lead Layouts.

Semiconductor Location				
Ref. No.	Location	Ref. No.	Location	
D1	I - 10	IC851	G-19	
D21	G-12	IC901	H - 18	
D51	E-9			
D201	1-3	Q1	H-11	
D221	D-3	Q2	G-11	
D252	C-2	Q3	H - 10	
D403	H-5	Q4	H - 10	
D404	F-7	Q5	H-10	
D405	G-5	Q6	H-10	
D407	G-5	Q7	J - 11	
D408	G-5	Q8	J - 11	
D409	E-8	Q9	J - 10	
D451	G-7	Q15	J - 10	
D602	E-9	Q21	H - 12	
D801	I - 21	Q22	H - 12	
D802	I - 21	Q23	H - 12	
D901	G-18	Q24	H - 12	
D902	G - 17	Q53	E-9	
D903	H-22	Q201	F-3	
D904	l - 17	Q202	l - 3	
D905	l - 18	Q203	E-3	
D906	G-23	Q204	E-3	
		Q205	G-2	
IC21	G-12	Q221	D-3	
IC51	F-10	Q251	F-3	
IC201	G-3	Q252	H-2	
IC202	H-3	Q291	l - 2	
IC203	F-3	Q301	H-9	
IC251	1-3	Q371	D - 19	
IC252	l - 2 C - 2	Q372	D-19 H-8	
IC255 IC303	H-7	Q401 Q407	G-5	
IC303	E-7	Q407 Q408	G-5	
IC304	E-5	Q408 Q409	G-5	
IC305	E-5	Q409 Q410	G-8	
IC351	E-3	Q410 Q411	G-8	
IC407	G-6	Q411	G-7	
IC602	E-8	Q412 Q451	J-6	
IC730	D - 12	Q452	J-5	
IC750	1-8	Q453	J-6	
IC751	F-9	Q454	J-6	
IC801	G-20			
		L		

D221	D-3	Q2	G-11
D252	C-2	Q3	H-10
D403	H-5	Q4	H-10
D404	F-7	Q5	H-10
D405	G-5	Q6	H-10
D407	G-5	Q7	J - 11
D408	G-5	Q8	J - 11
D409	E-8	Q9	J - 10
D451	G-7	Q15	J - 10
D602	E-9	Q21	H - 12
D801	l - 21	Q22	H - 12
D802	l - 21	Q23	H-12
D901	G - 18	Q24	H-12
D902	G-17	Q53	E-9
D903	H-22	Q201	F-3
D904	I - 17	Q202	1-3
D905	l - 18	Q203	E-3
D906	G-23	Q204	E-3
		Q205	G-2
IC21	G-12	Q221	D-3
IC51	F-10	Q251	F-3
IC201	G-3	Q252	H-2
IC202	H-3	Q291	1-2
IC203	F-3	Q301	H-9
IC251	1-3	Q371	D-19
IC252	1-2	Q372	D-19
IC255	C-2	Q401	H-8
IC303	H-7	Q407	G-5
IC304	E-7	Q408	G-5
IC305	E-5	Q409	G-5
IC306	E-5	Q410	G-8
IC351	E-3	Q411	G-8
IC407	G-6	Q412	G-7
IC602	E-8	Q451	J-6
IC730	D-12	Q452	J-5
IC750	1-8	Q453	J-6
IC751	F-9	Q454	J-6
IC801	G-20		

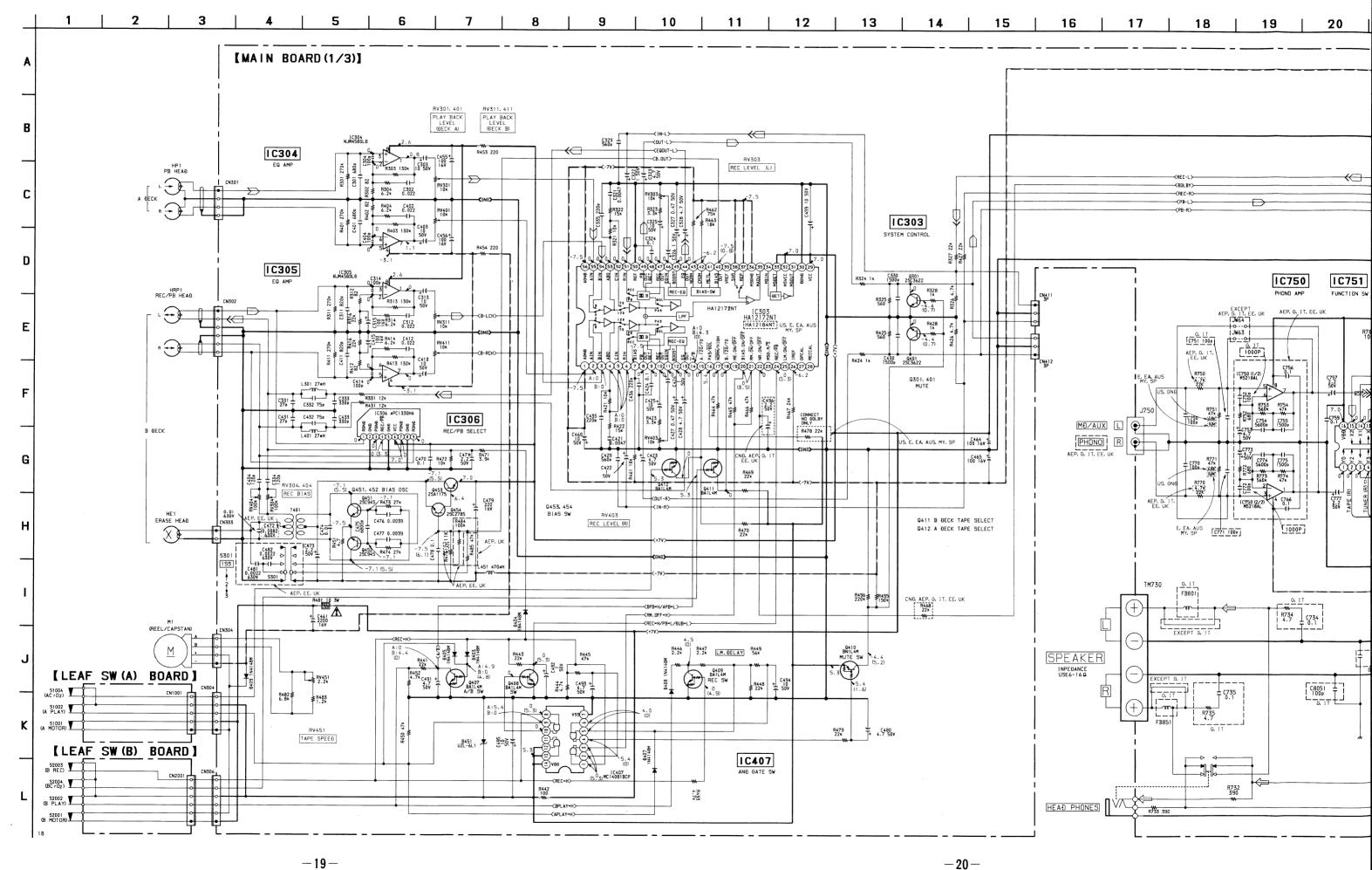
G:German IT: Italian AUS: Australian

EA: Saudi Arabia

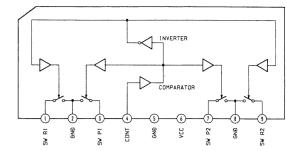


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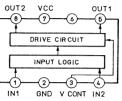
(See page 33) 3 TO DISPLAY BOARD (NAO) (NA	SIOO2 SIOOI A PLAY A MOTOR  [ POWER    Power	ICD SW BOARD)  SEC. WY, SP  BOARD)  SEC. WY, SP  SEC. WY,
ARRECUCED US COLOR STORY	S2003 S2002 S2001 B PEC BPLAY B MOTOR  [LEAF SW(B) BOARD]  ANT I FM TELESCOPIC ANTENNA  ANTENNA	11
	<b>-17-</b>	-18-



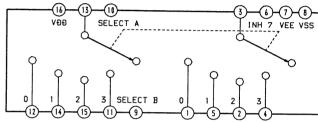
#### IC306 μPC1330HA



#### IC730 LB1639



#### IC751 MC14052BCP

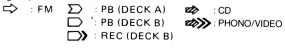


- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- ullet All resistors are in  $\Omega$  and  $^1\!/_{\!4}\,W$  or less unless otherwise specified.
- nonflammable resistor.

The components identi-ted line with mark / are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité Ne les remplacer que par une pièce portant le numéro spéci-

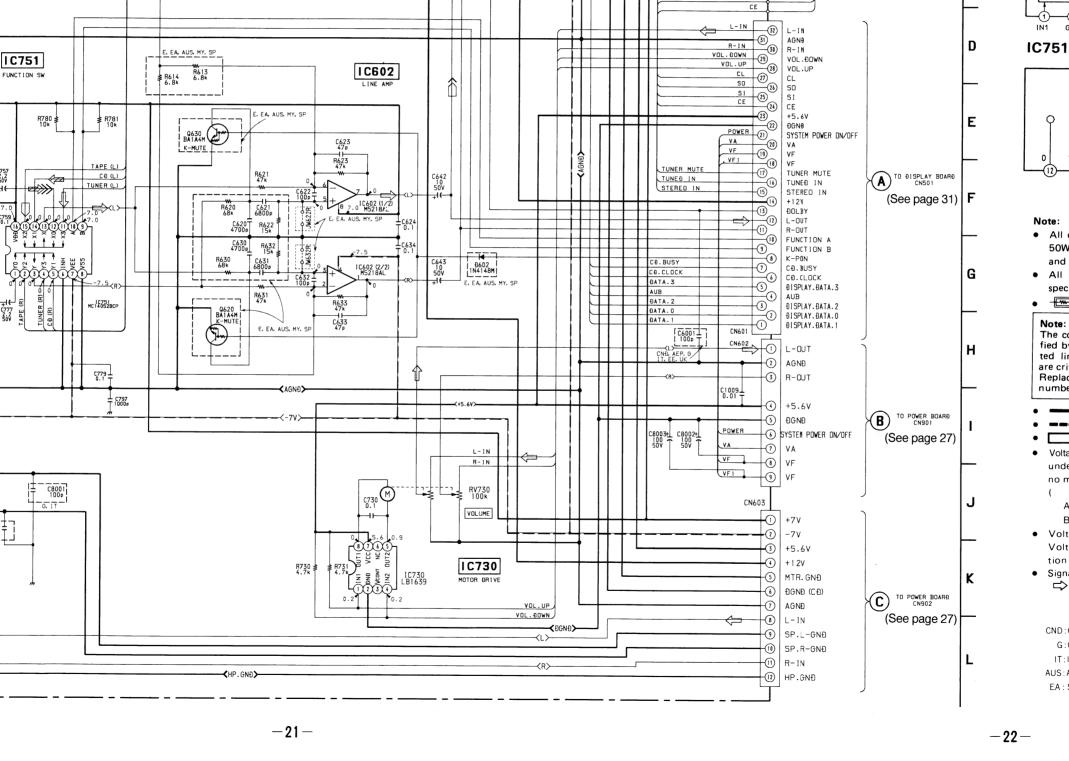
- === : B- Line
- adjustment for repair.
- · Voltage is dc with respect to ground under no-signal (detuned) conditions.
- no mark : PLAY ( ): REC
- A : A DECK B : B DECK
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.



CND: Canadian EE: East European G:German MY : Malaysia

IT:Italian SP: Singapore

AUS: Australian EA: Saudi Arabia



18

-<no ay>-≺REC-R>

-/ DB-1 \-

19

 $\rightarrow$ 

AEP. G. 1T. EE. UK

I IWA3

10750 (1/2) / M5218AL

C773

+507

C774

C775

5600

F773

F773

F774

C75

S604

F773

C75

C775

C7

1C750 (2/2) M5218AL

G. 1T [C751 100p]

AEP. G. 1

R751 47k

C770 R771 47k 1000 - 60K

E. EA. AÚS [C771 100]

G. 1T FB801

EXCEPT G. IT

IC750

C756 0.1

1000P

R734 4.7 C734

C8051 1

AEP, G. IT, EE, U

| 20

21 |

TAPE (L)

22 | 23 | 24 | 25 |

26

27

1,000

28

29

CĐ. BUSY, CĐ CLOCK, ĐẠTẠO-3, AUB

30

+12V

CĐ (R) / (L) A GNĐ

TUNER (L)

TUNEÐ IN STEREÐ IN

TUNER MUTE

CE

31

TO MAIN BOARD (See page 27)

10 MAIN BOARD

(See page 26)

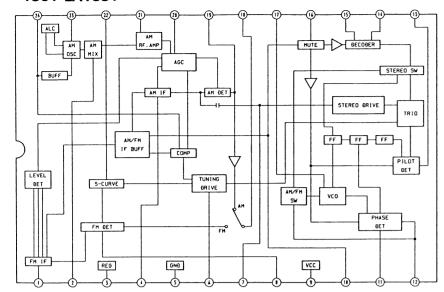
32

В

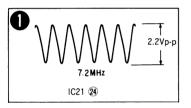
С

#### • IC Block Diagram

#### IC51 LA1831



#### Waveforms



#### Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- $\bullet$  All resistors are in  $\Omega$  and  ${}^{1}\!/_{\!4}\,W$  or less unless otherwise specified.
- == : B+ Line
- adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
- ( ): MW
- < >: SW/LW
- Voltages are taken with a VOM (Input Impedance 10MΩ).
   Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.

Voltage variations may be noted due to normal production tolerances.

- Circled numbers refer to waveforms.
- Signal path.

CND: Canadian EE: East European

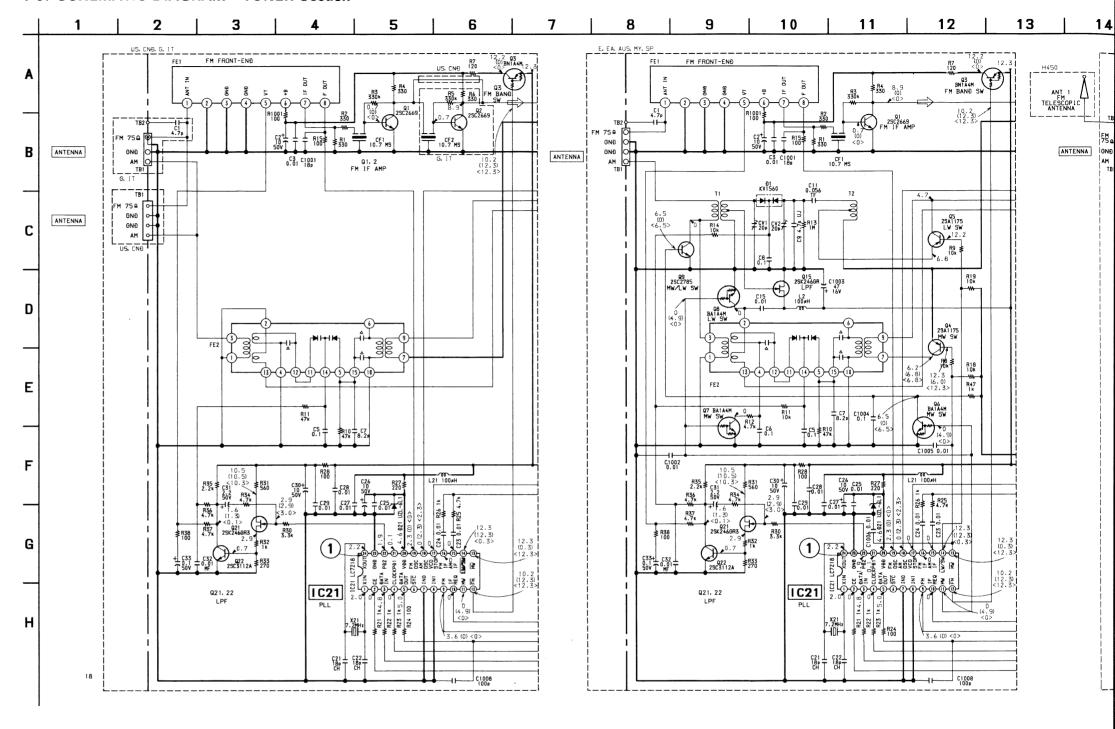
G:German MY:Malaysia

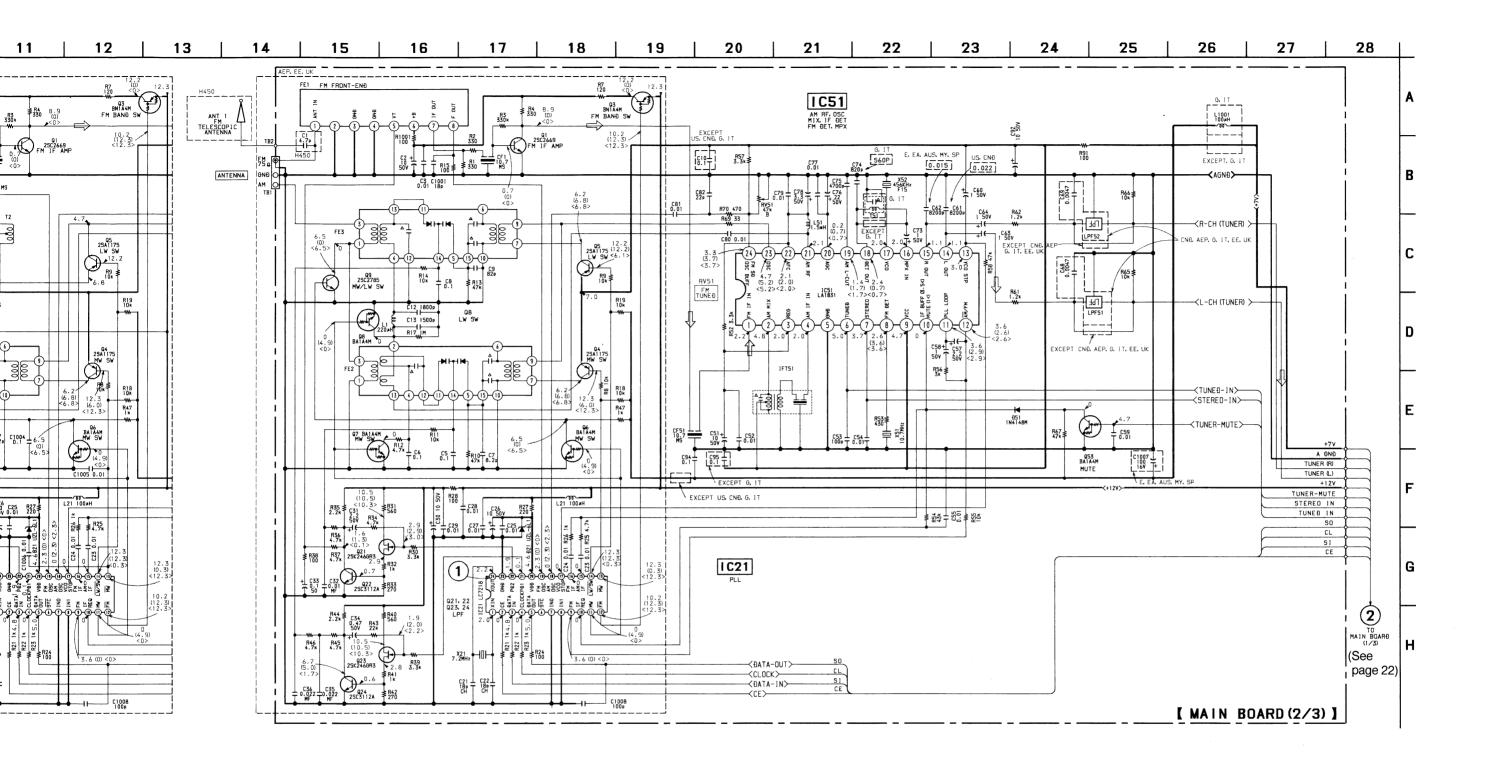
SP : Singapore

IT: Italian AUS: Australian

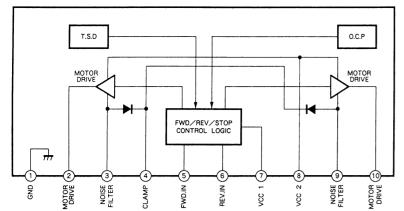
EA : Saudi Arabia

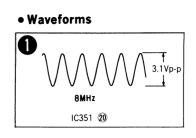
#### 4-6. SCHEMATIC DIAGRAM —TUNER Section—



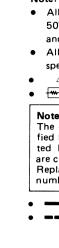


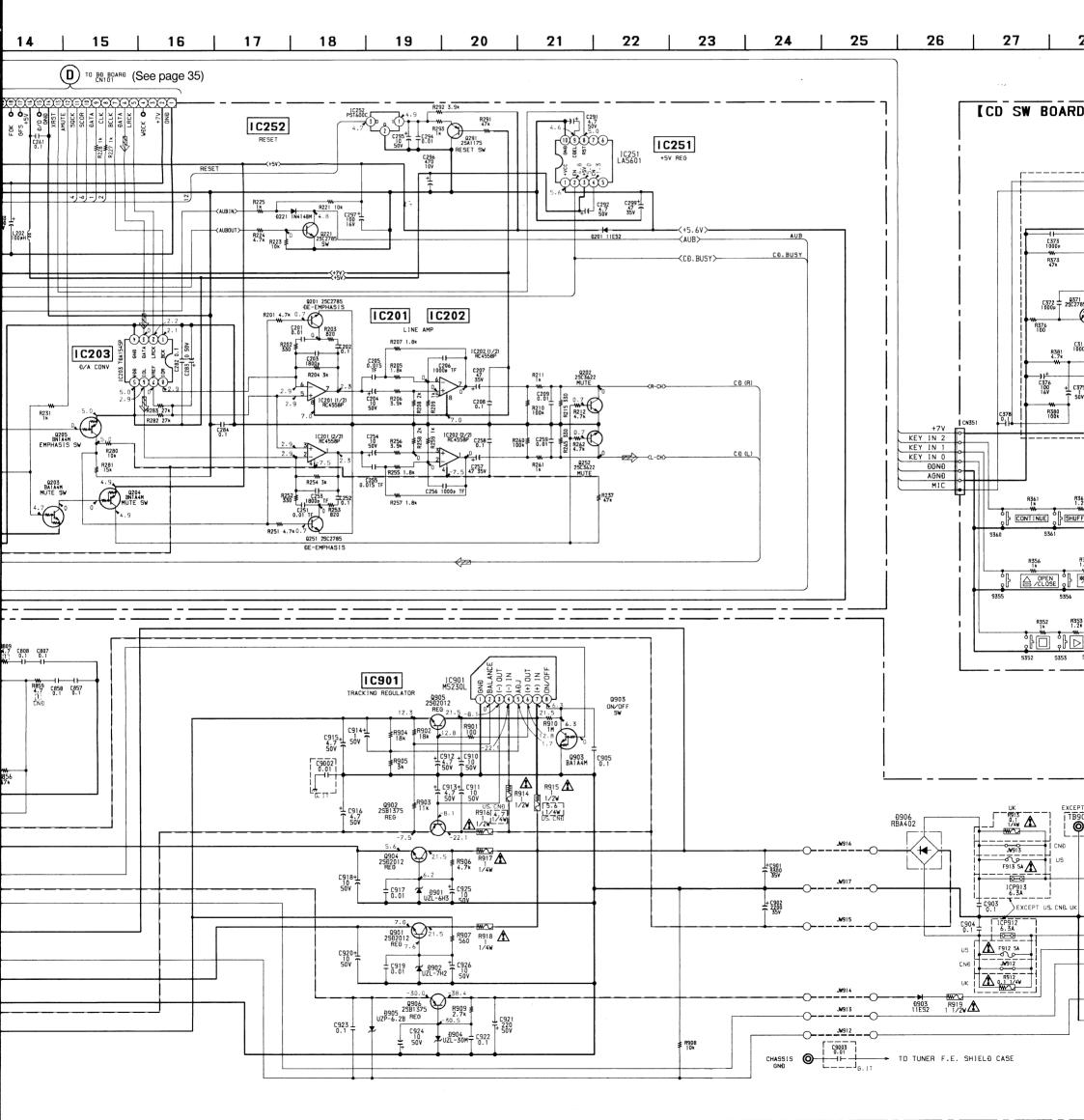
# IC255 LB1641



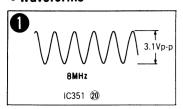


MC-Service





### Waveforms



#### Note:

- All capacitors are in  $\mu F$  unless otherwise noted. pF:  $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
- $\triangle$  : internal component.
- : fusible resistor.

The components identified by mark or dotted line with mark are critical for safety.
Replace only with part number specified.

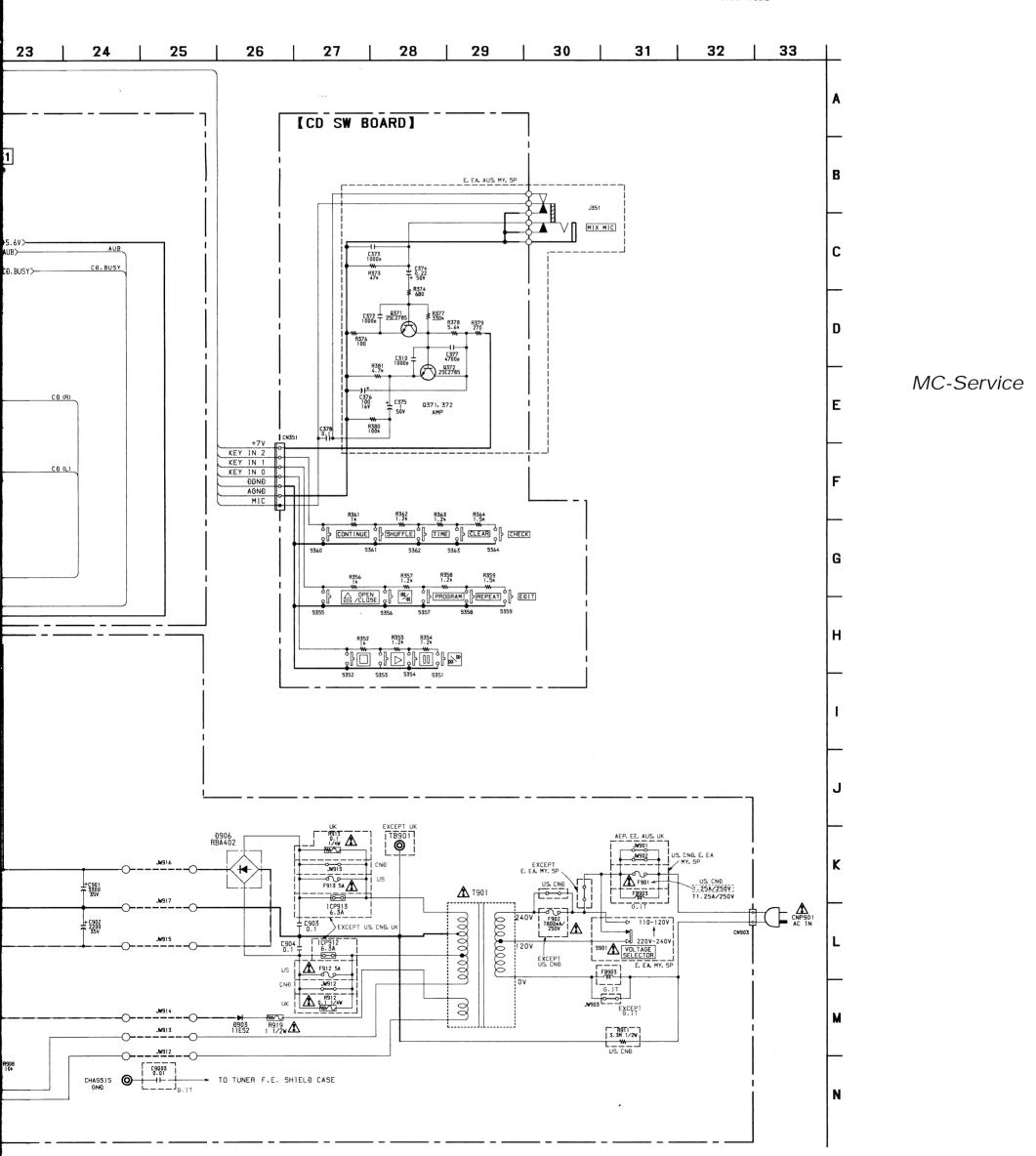
Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une

- pièce portant le numéro spéci-fié.
- : B+ Line
- ---: B- Line

- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: PLAY
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.

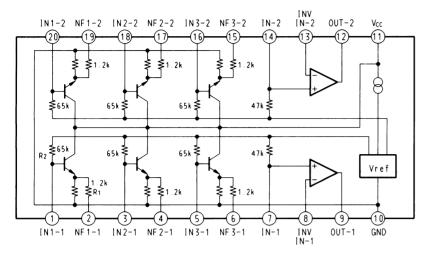
: CD ⇒ : FM

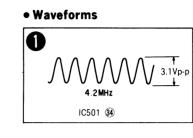
- CND: Canadian EE : East European
  - MY : Malaysia
- IT: Italian SP: Singapore
- AUS: Australian
- EA: Saudi Arabia



#### • IC Block Diagram

#### IC604 M5243P12



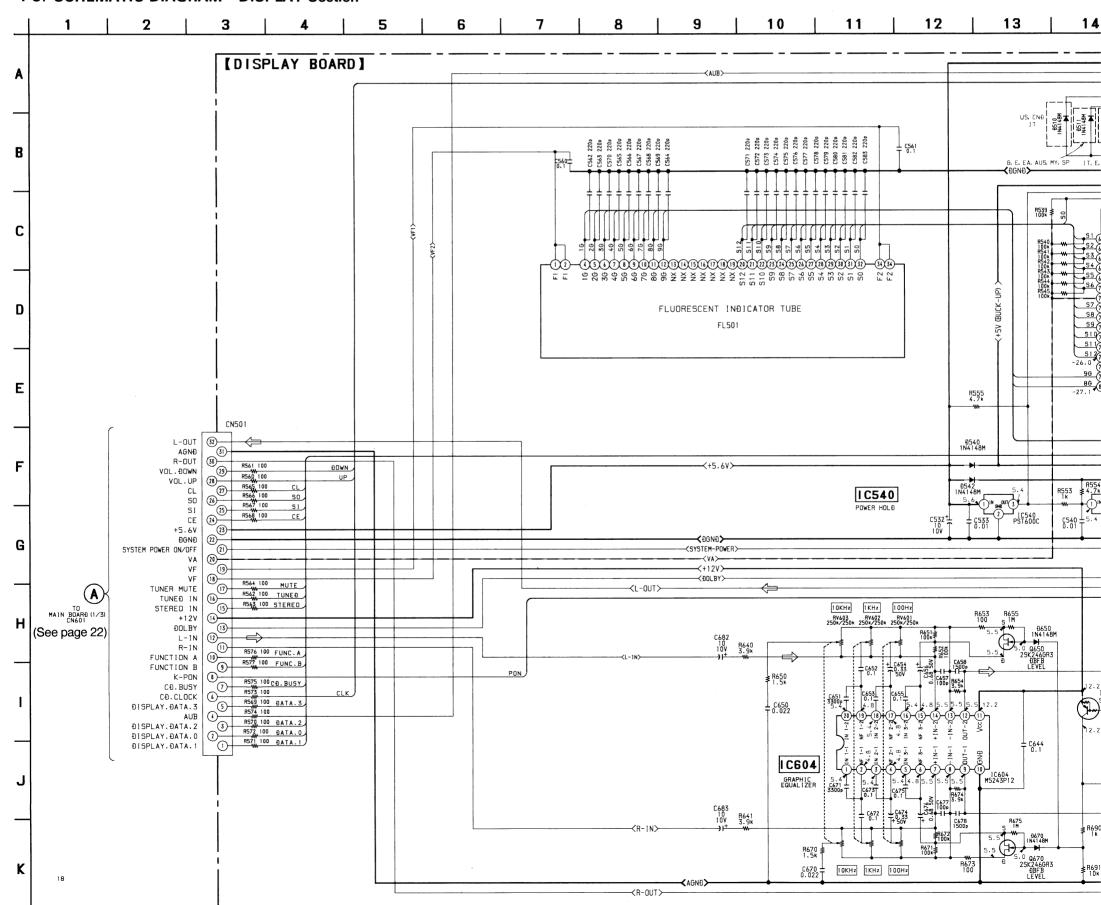


Note:

AUS

MC-Service

#### 4-8. SCHEMATIC DIAGRAM - DISPLAY Section-



(See page 16)

TO MAIN BOARD

IC10

#### Note:

- All capacitors are in  $\mu F$  unless otherwise noted. pF:  $\mu \mu F$ 50WV or less are not indicated except for electrolytics
- All resistors are in  $\Omega$  and  $^{1}\!/_{4}\,W$  or less unless otherwise specified.
- △ : internal component.
- : B+ Line
- **--** : B− Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions. no mark: FM
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.

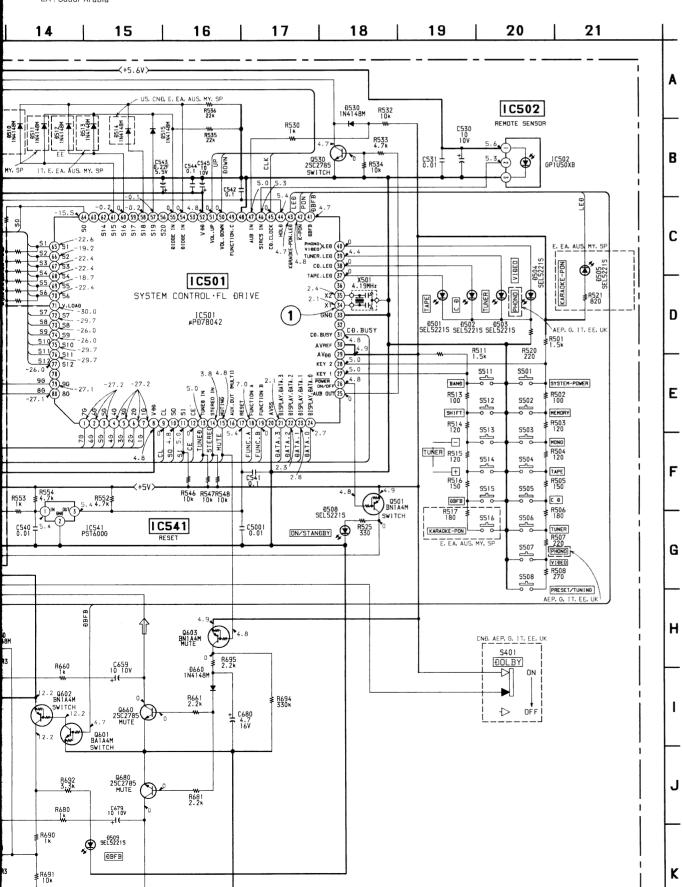
CND: Canadian

EE: East European G:German MY : Malaysia

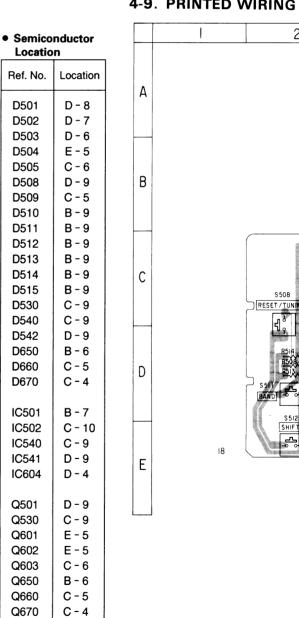
IT:Italian SP: Singapore

AUS: Australian

EA : Saudi Arabia



#### 4-9. PRINTED WIRING BOARDS -DIS



MC-Service

Ref. No.

D501

D502

D503

D504

D505

D508

D509

D510

D511

D512

D513

D514

D515

D530

D540

D542

D650

D660

D670

IC501

IC502

IC540

IC541

IC604

Q501

Q530

Q601

Q602

Q603

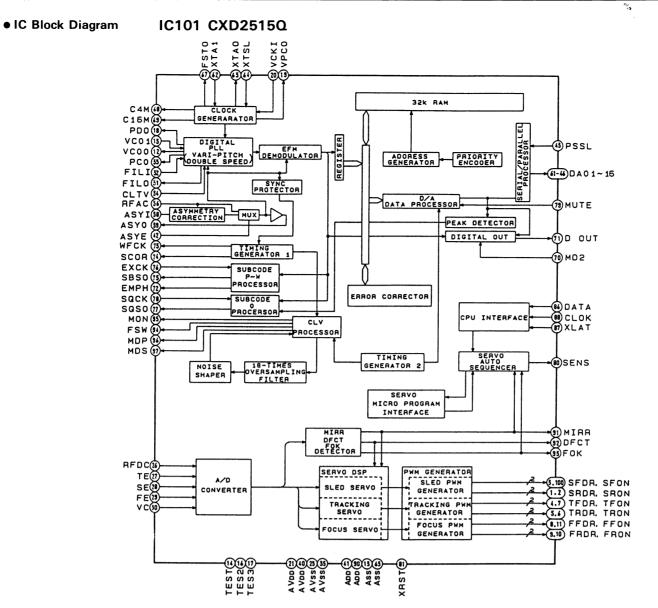
Q650

Q660

Q670

Q680

C - 5



# 4-9. PRINTED WIRING BOARDS —DISPLAY Section— ● See page 13, 14 for Circuit Boards Location and Semiconductor Lead Layouts.

niconductor cation No.

Location

D - 8 D - 7

D - 6 E - 5 C-6

D - 9

C - 5 B - 9 B-9 B-9 B-9 B-9

B - 9 C - 9 C - 9 D - 9 B-6 C - 5

C - 4

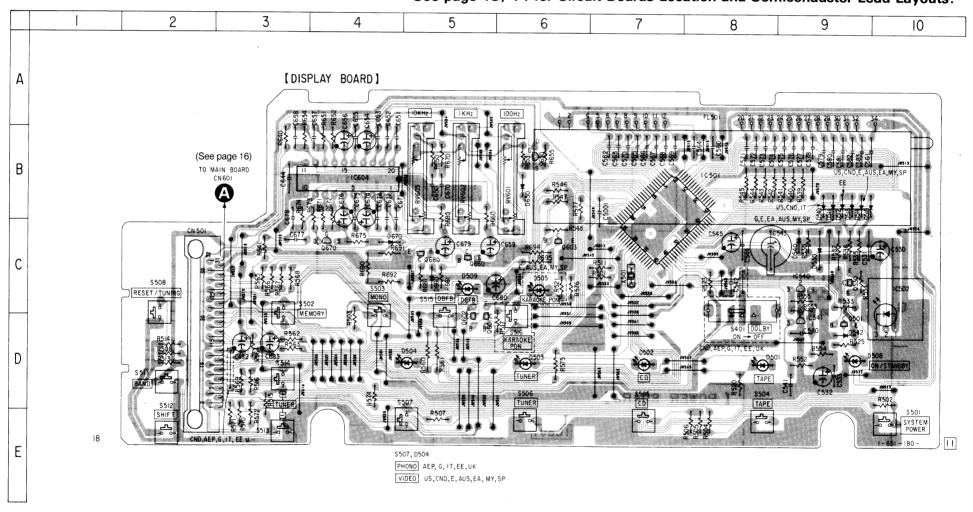
B - 7 C - 10

C-9 D - 9

D - 4

D-9 C - 9 E-5 E - 5 C - 6

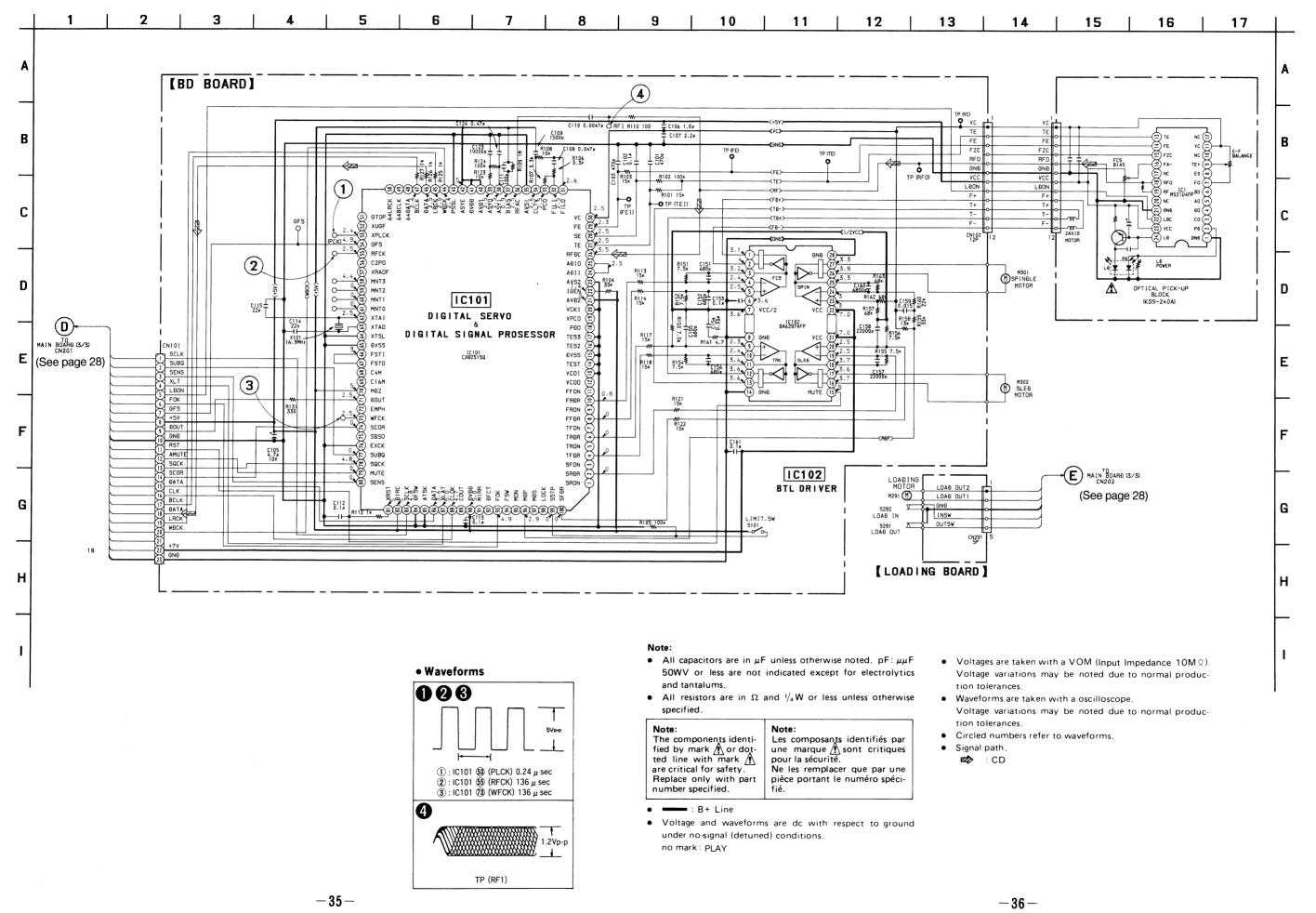
C-5 C - 4 C - 5

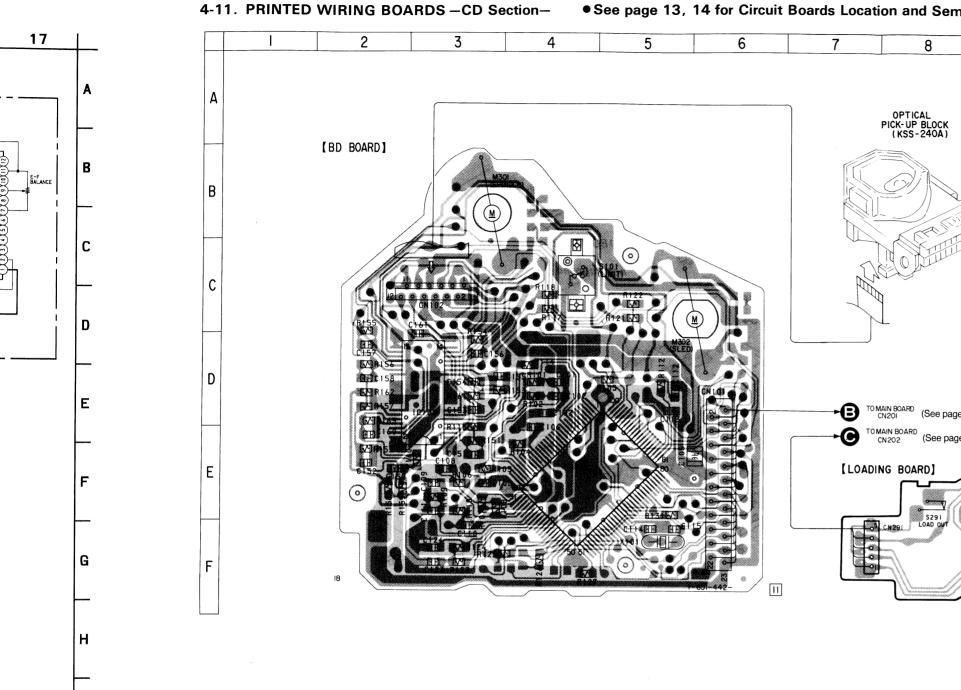


## Note:

- o---: parts extracted from the component side.
- \_\_\_\_: parts extracted from the conductor side.
  - CND: Canadian EE: East European G:German MY: Malaysia
  - IT: Italian SP : Singapore
  - AUS: Australian EA:Saudi Arabia

MC-Service





• See page 13, 14 for Circuit Boards Location and Semiconductor Lead Layouts.

#### Semiconductor Location

Ref. No.	Location
IC101 IC102	E - 4 D - 3

I-650-836-

- o---: parts extracted from the component side.
- parts extracted from the conductor side.
- Through hole.
- : Pattern on the side which is seen.
- : Pattern of the rear side.

## SECTION 5 EXPLODED VIEWS

#### NOTE:

- -xx,-x mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:
   KNOB, BALANCE (WHITE)...(RED)
  - Parts color Cabinet's color
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (#mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviations

looic	viutions.		
ND:	Canadian	EA:	Saudi Arabia
IT:	Italian	SP:	Singapore
G:	German	MY:	Malaysia
EE.	East European	ATIC	Australian

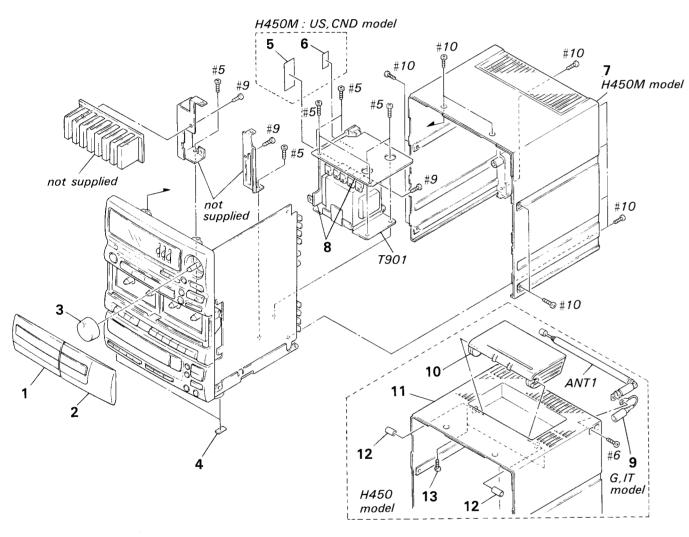
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

Les components identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

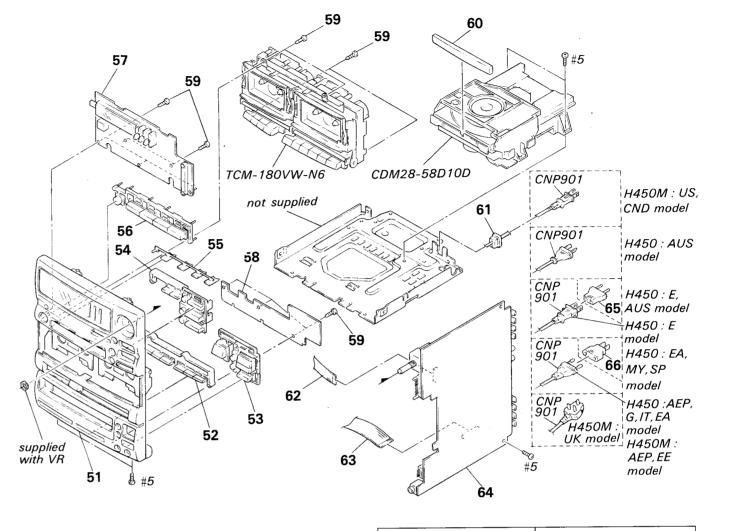
#### 5-1. CABINET SECTION



Ref.No.	Part No.	Description	Remark
1 2 2 2 2 2	A-4353-940-A A-4353-941-A A-4353-944-A	LID (A) ASSY, CASSETTE LID (B) ASSY, CASSETTE	(H450: AEP, G, IT) (H450M: CND, AEP, UK, EE)
3 4 5 *6 7		FOOT (FELT) LABEL, CAUTION (H450M:U LABEL, FUSE RATING (H45	
*8 *8 *8	A-4369-110-A A-4369-111-A	POWER BOARD, COMPLETE	(H450M:US) (H450:AEP, AUS /H450M:AEP, EE)

Ref.No.	Part No.	Description	Remark
*8		POWER BOARD, COMPLETE (H450:G	
<b>*</b> 8		POWER BOARD, COMPLETE (H450M: ANTENNA (FM) (H450:G,IT)	(ND)
10		HANDLE (H450)	
11	4-964-234-31	CASE (FH) (H450:E, EA, MY, SP)	
11 12		CASE (FH) (H450:AEP, G, IT, AUS) COLLAR (H450)	
12		SCREW (2.6X10), +BVTP	
		TRANSFORMER, POWER (H450:AUS/	
∆T901	1-426-657-11	TRANSFORMER, POWER (H450:AEP, /H4	G,11, 50M:AEP,EE)
AT901 AT901 ANT1	1-426-659-11	TRANSFORMER, POWER (H450M:US, TRANSFORMER, POWER (H450:E, EA ANTENNA, TELESCOPIC (H450)	
ANTI	1-001-021-01	ANTENNA, TELESCOLIC (1950)	

#### 5-2. CHASSIS SECTION



Ref.No.	Part No.	Description Remark
51 51	A-4353-937-A A-4353-938-A	PANEL ASSY, FRONT (H450:E, AUS, EA, MY, SP) PANEL ASSY, FRONT (H450:AEP, G, IT //H450M:CND, AEP, EE)
51 52 53	A-4353-946-A 4-963-655-01 4-964-103-01	PANEL ASSY, FRONT (H450M:US) BUTTON (CDP)
54 55 56		BUTTON (TA) INDICATOR (FUNCTION) BUTTON (POWER/FUNCTION) (H450:E, AUS, EA, MY, SP/ H450M:US, CND)
56 <b>*</b> 57		BUTTON (POWER/FUNCTION) (H450:AEP, G, IT/ H450M:AEP, UK, EE) DISPLAY BOARD, COMPLETE (H450M:EE)
*57 *57 *57	A-4364-021-A A-4369-103-A A-4369-108-A A-4369-109-A	DISPLAY BOARD, COMPLETE (H450M:CND) DISPLAY BOARD, COMPLETE (H450M:UK) DISPLAY BOARD, COMPLETE (H450M:US) DISPLAY BOARD, COMPLETE (AEP) DISPLAY BOARD, COMPLETE (H450:E, AUS, EA, MY, SP)
*57 *57 *57 *57 *58	A-4369-119-A A-4371-090-A A-4371-234-A	DISPLAY BOARD, COMPLETE (H450;G) DISPLAY BOARD, COMPLETE (H450;IT) DISPLAY BOARD, COMPLETE (H450M:EE) DISPLAY BOARD, COMPLETE (H450M:CND) CD SW BOARD, COMPLETE (H450M:UK)
<b>*</b> 58	A-4369-112-A	CD SW BOARD, COMPLETE (H450:E, AUS, EA, MY, SP)

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

Les components identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
<b>*</b> 58	A-4369-113-A	CD SW BOARD,	COMPLETE (H450: AEP, G, IT/ H450M: US, CND, AEP, EE)
59	4-951-620-11	SCREW (2.6X1	0) +BVTP
60	4-963-286-11	PANEL, LOADI	NG
<b>*</b> 61	3-703-244-00	BUSHING (210	)4), CORD (EXCEPT H450;E)
61	3-703-571-00	BUSHING (S)	(4516), CORD (H450:E)
			YPE) (9 CORE)
63	1-765-124-11	WIRE (FLAT T	YPE)
<b>*</b> 64	A-4369-102-A	MAIN BOARD,	COMPLETE (H450M:UK)
<b>*</b> 64	A-4369-106-A	MAIN BOARD,	COMPLETE (H450M:US)
<b>*</b> 64	A-4369-107-A	MAIN BOARD,	COMPLETE (AEP)
<b>*</b> 64	A-4369-114-A	MAIN BOARD,	COMPLETE (H450:E, AUS, EA, MY, SP
<b>*</b> 64	A-4369-115-A	MAIN BOARD,	COMPLETE (H450:G, IT)
<b>*</b> 64	A-4371-091-A	MAIN BOARD,	COMPLETE (H450M:EE)
* 64	A-4371-218-A	MAIN BOARD,	COMPLETE (H450M:CND)
/!\65	1-569-007-11	ADAPTER, CON	WERSION 2P (H450:E, AUS)
∆66	1-569-008-11	ADAPTER, CON	WERSION 2P (H450:EA, MY, SP)
^\CNP901	1-558-943-41	CORD, POWER	(H450:E)
ACNP901	1-575-042-31	CORD, POWER	(H450M:US, CND)
/\CNP901	1-575-651-91	CORD, POWER	(H450: AEP, G, IT, EA, MY, SP /H450M: AEP, EE)
ACNP901	1-696-846-21	CORD, POWER	
	1 551 500 01	CORD, POWER	(HAEOM: HK)

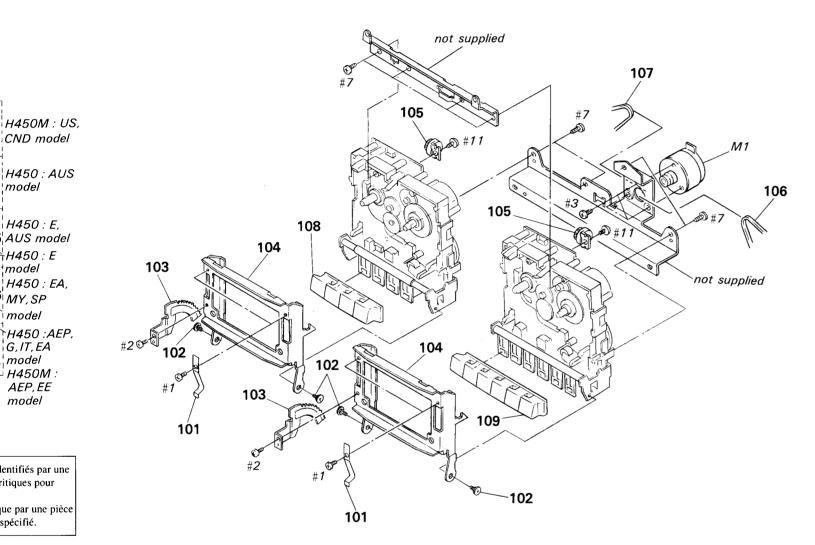
5-3. MECHANISM (TCM-180VW-

103

101

	rare no.	Deseri
	<del></del>	
101	3-358-280-01	SPRING
102	3-358-277-01	SCREW,
103	3-358-276-01	RACK,
104	3-358-282-01	HOLDER
105	4-919-393-21	DAMPER

#### 5-3. MECHANISM DECK SECTION-1 (TCM-180VW-N6)



ts identifiés par une nt critiques pour	
er que par une pièce éro spécifié.	

CND model

H450 : AUS model

65 AUS model <del>``</del>H450 : E \_\_\_model H450 :

H450 : EA,

66 MY, SP

model H450 :AEP,

G,IT,EA M: model del H450M:

AEP, EE

model

Remark 0:AEP, G, IT/ US, CND, AEP, EE)

PT H450:E) H450:E)

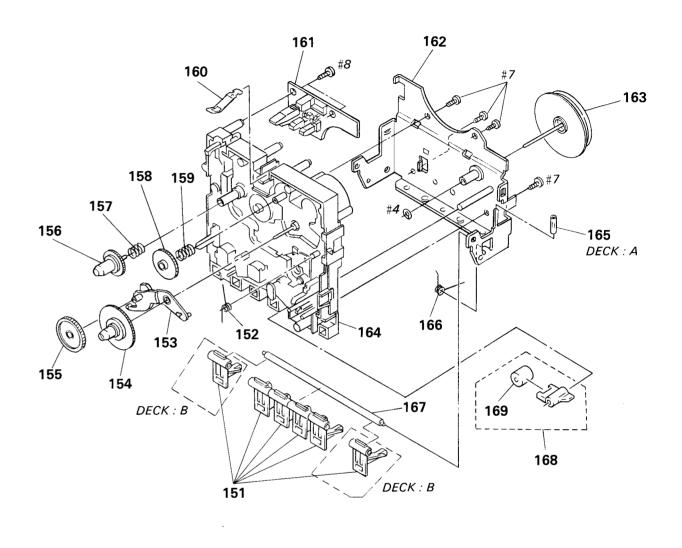
:E, AUS, EA, MY, SP)
:G, IT)
M:EE)
M:CND)
50:E, AUS)

50:EA, MY, SP)

,EA,MY,SP /H450M:AEP,EE)

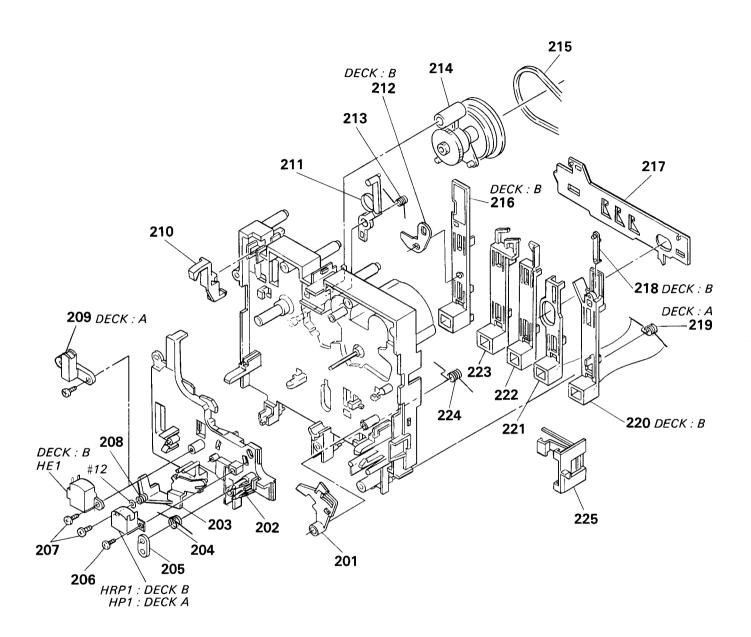
f.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
101	3_358_280_01	SPRING (CASSETTE HOLDER FH)		106	3-911-187-01	BEIT (WU)	
	3-358-277-01						
		-			3-358-230-01		
	3-358-276-01					BUTTON (TC-A)	
	3-358-282-01	HOLDER (FH), CASSETTE		109	4-956-321-01	BUTTON (TC-B)	
105	4-919-393-21	DAMPER	I	M1	X-3362-377-1	MOTOR (WH) ASSY	

#### 5-4. MECHANISM DECK SECTION-2 (TCM-180VW-N6)



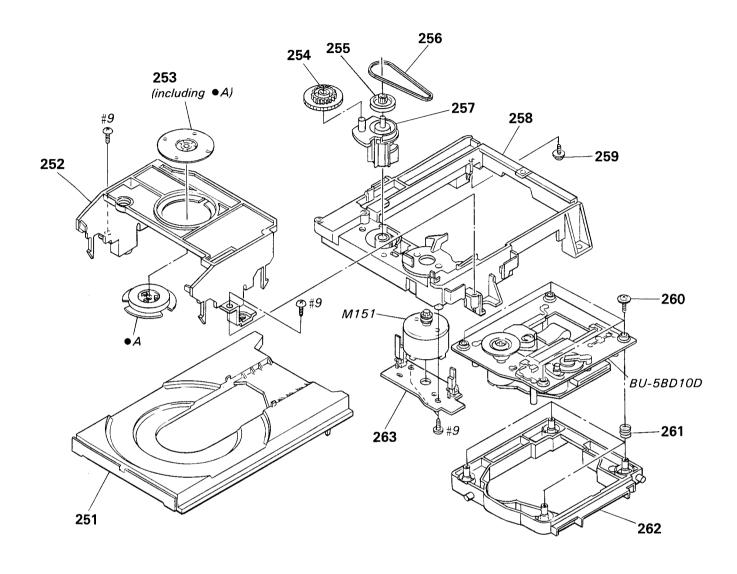
Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
151	3-369-334-01	LEVER (BUTTON BASE E)		*161	1-647-785-11	LEAF SW (A) BOARD (DECK:B)	
152	3-358-243-01	SPRING (TU-SHUT), TORSION		<b>*</b> 162	X-3358-216-1	BRACKET (FH) ASSY	
<b>*</b> 153	3-358-252-01	LEVER (TU ARM)		163	X-3358-205-1	FLYWHEEL (A) ASSY (DECK:A)	
154	X-3358-203-1	TABLE (T) ASSY, REEL		163	X-3366-859-1	FLYWHEEL (D) ASSY (DECK:B)	
<b>*</b> 155	3-358-284-01	GEAR (TU GEAR)		<b>*</b> 164	X-3358-215-1	CHASSIS (B) ASSY	
156	3-358-248-01	GEAR (SUPPLY REEL)		<b>*</b> 165	3-358-216-01	COLLAR (DECK:A)	
157	3-358-208-01	SPRING (SUPPLY), COMPRESSION		166	3-358-278-01	SPRING (LOADING FH). TORSION	
<b>*</b> 158	3-358-224-01	GEAR (FF GEAR)		167	3-371-917-01	SHAFT (BUTTON SHAFT 4)	
159	3-358-207-01	SPRING (FF GEAR), COMPRESSION	N	168	X-3358-204-1	LEVER (PINCH LEVER) ASSY	
160	3-358-227-01	SPRING. LEAF		169	3-578-143-11	PINCH ROLLER	

#### 5-5. MECHANISM DECK SECTION-3 (TCM-180VW-N6)



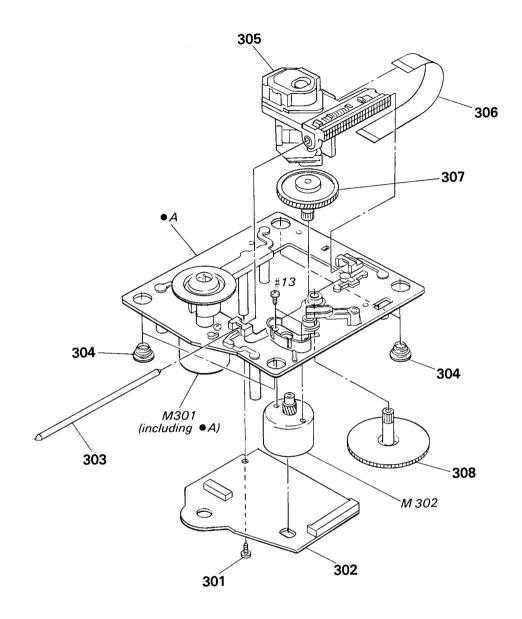
Ref.No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*201 202 *203 204 *205	3-358-265-01 3-358-251-01 3-358-228-01	LEVER (SHUT-OFF LEVER) SLIDER (HEAD PC BOARD A) LEVER (TENSION DETECTION ARM) SPRING, TORSION BUSHING (WIRE KIT RETAINER)		215 216 *217 *218 219	3-358-249-01 3-358-226-01	BELT (A1) SLIDER (REC) (DECK B) SLIDER (LOCK PLATE) LEVER (PAUSE LEVER) (DECK:B) SPRING (STOP), TORSION (DECK:A)	)
206 207 208 * 209 * 210	3-358-288-11 3-358-234-01 3-363-931-01	SCREW (T), AZIMUTH SCREW (T), AZIMUTH SPRING (AZIMUTH), COMPRESSION GUIDE, TAPE (DECK:A) LEVER (GB LEVER) (DECK B)		220 221 222 223 224	3-358-256-01 3-358-257-01 3-358-258-01	SLIDER (PAUSE) (DECK:B) SLIDER (STOP/EJECT) (DECK:B) SLIDER (FF) SLIDER (REW) SPRING (S-P F-R), TORSION	
211 *212 213 213 214	3-358-204-01 3-358-214-01 3-358-233-01	LEVER (MOTOR LEVER) LEVER (REC SAFETY) (DECK:B) SPRING (LOCK), TORSION (DECK:A SPRING (REC-LOCK), TORSION (DECLEVER (FR ARM) ASSY		225 HE1 HP1 HRP1	1-543-673-11 1-543-319-11	SLIDER (HOLDER LOCK FH) HEAD, MAGNETIC (ERASE) (DECK:H HEAD, MAGNETIC (PB) (DECK:A) HEAD, MAGNETIC (REC/PB) (DECK:H	

# 5-6. CD MECHANISM SECTION-1 (CDM28-5BD10D)



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	<del></del> -	<del></del>					
251	4-960-836-01	TABLE, DISK	į	258	4-960-838-01	BASE (MD)	
252	4-960-835-01	HOLDER (M)		<b>*</b> 259	4-917-583-21	BRACKET, YOKE	
253	1-452-719-11	MAGNET ASSY		260	4-933-134-01	SCREW (+PTPWH M2.6X6)	
254	4-960-842-01	GEAR (P)		261	4-959-996-01	SPRING (932), COMPRESSION	
255	4-960-841-01	PULLEY (S)		262	4-960-834-01	HOLDER (BU)	
256	4-927-649-01	BFLT		<b>*</b> 263	1-650-836-11	LOADING BOARD	
<b>*</b> 257	4-960-839-01	===-		M151	A-4604-363-A	MOTOR (L) ASSY (LOADING)	

#### 5-7. CD MECHANISM SECTION-2 (BU-5BD10D)



The components identified by mark A or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les components identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Remark
301	4-951-620-11	SCREW (2.6X10), +BVTP	
<b>*</b> 302		BD BORD, COMPLETE	
303	4-917-565-01	SHAFT, SLED	
304	4-951-940-01	INSULATOR (BU)	
<b>1</b> 305	8-848-144-11	DEVICE, OPTICAL KSS-240A	

Ref.No.	Part No.	Description	Remark
306 307 308 M301	4-917-567-01 4-917-564-01 X-4917-523-3	GEAR (P), FLATNESS MOTOR ASSY (SPINDLE)	
M301 M302		MOTOR ASSY (SPINDLE) MOTOR ASSY (SLED)	

# SECTION 6 ELECTRICAL PARTS LIST



#### NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
   All resistors are in ohms.
   METAL: Metal-film resistor.
   METAL OXIDE: Metal oxide-film resistor.

IC102 8-759-071-79 IC BA6297AFP

F: nonflammable

 Items marked "\*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.

SEMICONDUCTORS

In each case,  $u : \mu$ , for example:  $uA \cdots : \mu A \cdots$ ,  $uPA \cdots : \mu PA \cdots$ ,  $uPB \cdots : \mu PB \cdots$ ,

 $uPC\cdots: \mu PC\cdots, uPD\cdots: \mu PD\cdots$ 

● CAPACITORS ● Abbreviations

uF: μF CND: Canadian

COILS IT: Italian

uH: μH G: German

IT:ItalianSP:SingaporeG:GermanMY:MalaysiaEE:East EuropeanAUS:Australian

EA: Saudi Arabia

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

Les components identifiés par une marque <u>A</u> sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

F: no	onflammable					EE: East Euro	pean AUS: A	Australian -			
Ref.No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
	A-4673-015-A	BD BOARD, COMP			<del></del>			< RESISTOR >			
						R101	1-216-077-00	METAL GLAZE	15K	5 <b>%</b>	1/10W
		< CAPACITOR >				R102	1-216-097-00	METAL GLAZE	100K	5%	1/10W
						R103	1-216-077-00	METAL GLAZE	15K	5%	1/10W
C101		CERAMIC CHIP	470PF	10%	50V	R104	1-216-085-00	METAL GLAZE	33K	5%	1/10W
C102		CERAMIC CHIP	0.1MF		25V	R105	1-216-097-00	METAL GLAZE	100K	5%	1/10W
C103		CERAMIC CHIP	470PF	10%	50V						
C105		TANTAL, CHIP	4.7MF	20%	10V	R106	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
C106	1-164-346-11	CERAMIC CHIP	1MF		16V	R107	1-216-061-00		3.3K	5%	1/10W
						R108	1-216-073-00	METAL GLAZE	10K	5%	1/10W
C107		CERAMIC CHIP	2.2MF		16V	R109	1-216-121-00	METAL GLAZE	1M	5%	1/10W
C108		CERAMIC CHIP	0.047MF		50V	R110	1-216-025-00	METAL GLAZE	100	5%	1/10W
C109		CERAMIC CHIP	0.0015MF	10%	50V						
C110		CERAMIC CHIP	0.0047MF	10%	50V	R112	1-216-049-00	METAL GLAZE	1 K	5%	1/10W
C111	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	R113	1-216-077-00	METAL GLAZE	15K	5%	1/10W
						R114	1-216-077-00	METAL GLAZE	15K	5%	1/10W
C112		CERAMIC CHIP	0.1MF		25V	R117	1-216-077 <b>-</b> 00	METAL GLAZE	15K	5%	1/10W
C113		CERAMIC CHIP	0.1MF		25V	R118	1-216-077-00	METAL GLAZE	15K	5%	1/10W
C114		CERAMIC CHIP	22PF	5%	50V						
C115		CERAMIC CHIP	22PF	5%	50V	R121	1-216-077-00		15K	5%	1/10W
C123	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	R122	1-216-077-00		15K	5%	1/10W
						R123	1-216-073-00		10K	5%	1/10W
C124		CERAMIC CHIP	0.47MF		25V	R124	1-216-097-00		100K	5%	1/10W
C151		CERAMIC CHIP	680PF	10%	50V	R125	1-216-049-00	METAL GLAZE	1 K	5%	1/10W
C152		CERAMIC CHIP	680PF	10%	50V						
C153		CERAMIC CHIP	0.1MF		25V	R126	1-216-049-00		1 K	5%	1/10W
C154	1-164-336-11	CERAMIC CHIP	0.33MF		25V	R127	1-216-049-00		1 K	5%	1/10W
0						R131	1-216-037-00		330	5%	1/10W
C155		CERAMIC CHIP	680PF	10%	50V	R151	1-216-070-00		7.5K	5%	1/10W
C156	1-163-007-11		680PF	10%	50V	R152	1-216-070-00	METAL GLAZE	7.5K	5%	1/10W
C157		CERAMIC CHIP	0.022MF		50V						
C158		CERAMIC CHIP	0.022MF		50V	R153	1-216-070-00		7.5K	5%	1/10W
C159	1-163-023-00	CERAMIC CHIP	0.015MF	10%	50V	R154	1-216-070-00		7.5K	5%	1/10W
0100						R155	1-216-070-00		7.5K	5%	1/10W
C160	1-163-019-00		0.0063MF	10%	50V	R156	1-216-070-00		7.5K	5%	1/10W
C161	1-163-038-11	CERAMIC CHIP	0.1MF		25V	R157	1-216-093-00	METAL GLAZE	68K	5%	1/10W
		< CONNECTOR >				R158	1-216-076-00		13K	5%	1/10W
<b>↓</b> ∩NIOI	1 500 005 **	COCKET COMPTS	TOD OOD			R159	1-216-085-00		33K	5%	1/10W
		SOCKET, CONNEC				R160	1-216-081-00		22K	5%	1/10W
CN102	1-568-795-11	SOCKET, CONNEC	IOR 12P			R161	1-216-308-00		4.7	5%	1/10W
		< IC >				R162	1-216-093-00	METAL GLAZE	68K	5%	1/10W
IC101	8-752-351-94	IC CXD2515Q				R163	1-216-093-00	METAL GLAZE	68K	5 <b>%</b>	1/10W

# BD CD SW DISPLAY

Ref.No.	Part No.	Description		Remark	Ref.No.	Part No.	Descrip	tion			Rema	nrk
		< SWITCH >			R358	1-249-418-11	CARBON	1.2K	5%	1/4W		_
		< 3#11CH >			R359	1-249-419-11				1/4W		
S101	1-572-085-11	SWITCH, LEAF	(LIMIT)		R361	1-249-417-11		1K		1/4W		
0101	1 0/2 000 11	5/11/5/1, 122.II	(22/12/1		R362	1-249-418-11	CARBON	1.2K	5%	1/4W		
		< VIBRATOR >			R363	1-249-418-11	CARBON	1.2K	5%	1/4W		
X101	1-567-908-11	VIBRATOR, CR	YSTAL (16.9)	Mz)	R364	1-249-419-11	CARBON	1.5K	5%	1/4W		
				******	R373	1-249-437-11		47K	5%	1/4W(H450	E, AUS	S, EA, MY, SP)
					R374	1-249-415-11	CARBON	680	5%	1/4W(H450	E, AUS	S, EA, MY, SP)
*	A-4369-113-A	CD SW BOARD,	COMPLETE		R376	1-247-807-31	CARBON	100	5%	1/4W(H450	E, AUS	S, EA, MY, SP)
		(H45	0:AEP, G, IT/1	1450M:US, CND, AEP, EE)	R377	1-247-891-00	CARBON	330K	5%	1/4W(H450	E, AUS	S, EA, MY, SP)
*	A-4369-105-A	CD SW BOARD,	COMPLETE (	H450:UK)								
*	A-4369-112-A			1450:E, AUS, EA. MY, SP)	R378	1-249-426-11				1/4W(H450		
		******	*****	*******	R379	1-249-410-11		270		1/4W(H450		
					R380	1-249-441-11				1/4W(H450		
		< CAPACITOR	>		R381	1-249-425-11	CARBON	4.7K	5%	1/4W(H450	E, AUS	5, EA, MI, SP)
C310	1-162-294-31	CERAMIC	0.001uF	10% 50V (H450:E, AUS, EA, MY, SP)			< SWITC	Н >				
C372	1-162-294-31	CERAMIC	0.001uF	10% 50V	S351	1-571-760-11	SWITCH,	KEY BOA	RD (	<u> </u>		
				(H450:E, AUS, EA, MY, SP)	S352	1-571-760-11	SWITCH,	KEY BOA	RD (	(⊘)		
C373	1-162-294-31	CERAMIC	0.001uF	10% 50V	S353	1-571-760-11	SWITCH,	KEY BOA	RD (	( 00 )		
				(H450:E, AUS, EA, MY, SP)	S354	1-571-760-11						
C374	1-124-464-11	ELECT	0. 22uF	20% 50V (H450:E, AUS, EA, MY, SP)	S355	1-571-760-11	SWITCH,	KEY BOA	RD (	A OPEN∕CL	OSE)	
C375	1-124-903-11	ELECT	luF	20% 50V	S356	1-571-760-11	SWITCH,	KEY BOA	RD (	M / M)		
				(H450:E, AUS, EA, MY, SP)	S357	1-571-760-11	SWITCH,	KEY BOA	RD (	PROGRAM)		
					S358	1-571-760-11	SWITCH,	KEY BOA	RD (	(REPEAT)		
C376	1-126-933-11	ELECT	100uF	20% 16V	S359	1-571-760-11	SWITCH,	KEY BOA	RD (	(EDIT)		
				(H450:E, AUS, EA, MY, SP)	S360	1-571-760-11	SWITCH,	KEY BOA	RD (	(CONTINUE)		
C377	1-161-377-00	CERAMIC	0.0047uF	30% 16V					<i>(</i>	(ATT TOTAL E)		
				(H450:E, AUS, EA, MY, SP)	S361	1-571-760-11						
C378	1-164-159-11	CERAM1C	0. luF	50V	S362	1-571-760-11						
				(H450:E, AUS, EA, MY, SP)	\$363 \$364	1-571-760-11 1-571-760-11						
		< CONNECTOR	>			***********					*****	***
		COMMEDIA										
<b>★</b> CN351	1-569-768-11	SOCKET, CONN	IECTOR 7P		*	A-4369-103-A					OM:UK)	
					*	A-4369-108-A					)M:US)	
		< JACK >			*	A-4369-109-A					);ALP/	'H450M:AEP)
tori		TAON OFFICE	TETADOLONE	(MIN MIC)	*	A-4369-117-A	DISPLAT	BUARD,	CUMP		ATIC EA	, EA, MY, SP)
J351	1-563-935-31	JACK, STEREO	) HEADPHONE	(MIX MIC) (H450; E. AUS, EA, MY, SP)	*	A-4369-118-A	DICDIAV	BUADD	COME			1, EA, MI, OI /
				(11430.E, AUS, EA, MI, SF)	*	A-4369-119-A						
		< TRANSISTOR	) 、		*	A-4371-234-A						
		< IMMOISION			*	A-4371-090-A						
Q371 Q372	8-729-119-78 8-729-119-78			E(H450:E, AUS, EA, MY, SP) E(H450:E, AUS, EA, MY, SP)						******		
W012	0-143-113-10	MOTOTOMAL .	2002100-III.	Larrovers, 1100, Eri, Mr, Ot /	*	4-932-810-11	CUSHION	(FL)				
		< RESISTOR >	•		*	4-942-301-01			;			
R352	1-249-417-1	L CARBON 1K	K 5% 1/4°	W			< CAPAC	ITOR >				
R353	1-249-417-11		2K 5% 1/4									
R354	1-249-418-11	-	2K 5% 1/4		C530	1-126-157-11	ELECT		10u	F 20	9%	16V
R356	1-249-417-1			*	C531	1-161-379-00		:	0.0	luF 20	)%	25V
R357	1-249-418-1		2K 5% 1/4		C532	1-126-157-11	ELECT		10u	ıF 20	)%	16V
					C533	1-161-379-00	CERAMIC		0.0	luF 20	)%	25V
					C540	1-161-379-00	CERAMIC	;	0.0	luF 20	)%	25V

# DISPLAY

Ref.No.	Part No.	Description		Rei	nark	Ref.No.	Part No.	Description	1	Re	mark
C541 C542	1-164-159-11 1-164-159-11		0. luF 0. luF		50V 50V	C679	1-126-157-11	ELECT	10uF	20%	16V
C542		CAP, DOUBLE LAY			301	C680	1-126-163-11	EI ECT	4 7E	20%	50V
					FOV				4. 7uF		
C544	1-164-159-11		0. 1uF		50V	C682	1-126-157-11		10uF	20%	16V
C545	1-126-157-11	ELECT	10uF	20%	16V	C683	1-126-157-11		10uF	20%	16V
						C5001	1-161-379-00	CERAMIC	0.01uF	20%	25V
C560	1-164-159-11	CERAMIC	0. luF		50V						
C561	1-164-159-11	CERAMIC	0. 1uF		50V			< CONNECTOR	₹ >		
C562	1-162-286-31	CERAMIC	220PF	10%	50V						
C563	1-162-286-31	CERAMIC	220PF	10%	50V	CN501	1-764-306-11	HOUSING, CON	NECTOR (PC BOAR)	D) 32P	
C564	1-162-286-31	CERAMIC	220PF	10%	50V						
								< DIODE >			
C565	1-162-286-31	CERAMIC	220PF	10%	50V			( 21023 )			
C566	1-162-286-31		220PF	10%	50V	D501	8-719-046-44	DIODE CEI	.5221S (TAPE)		
C567				10%							
	1-162-286-31		220PF		50V	D502	8-719-046-44		.5221S (CD)		
C568	1-162-286-31		220PF	10%	50V	D503	8-719-046-44		.5221S (TUNER)		
C569	1-162-286-31	CERAMIC	220PF	10%	50V	D504	8-719-046-44	DIODE SEL	.5221S (PHONO)		
									(H450:AEP, G,	IT/H450	M:AEP,EE,UK)
C570	1-162-286-31	CERAMIC	220PF	10%	50V	D504	8-719-046-44	DIODE SEL	.5221S (VIDEO)		
C571	1-162-286-31	CERAMIC	220PF	10%	50V				(H450:E, AUS, EA,	MY, SP/H	450M:US,CND)
C572	1-162-286-31	CERAMIC	220PF	10%	50V						
C573	1-162-286-31	CERAMIC	220PF	10%	50V	D505	8-719-046-44	DIODE SEL	.5221S (KARAOKE-	-PON)	
C574	1-162-286-31	CERAMIC	220PF	10%	50V						US, EA, MY, SP)
						D508	8-719-046-44	DIODE SEL	.5221S (ON/STANI		50, 21, m1, 51 /
C575	1-162-286-31	CERAMIC	220PF	10%	50V	D509	8-719-046-44		.5221S (DBFB)	,,,	
C576	1-162-286-31		220PF	10%	50V	D510	8-719-987-63		1148M (H450:IT/H	NEOM: IIC	CMD)
C577	1-162-286-31		220PF	10%	50V	D510					
						D311	8-719-987-63	DIODE IN4	1148M (H450:G,E,	AUS, EA, I	(11, SP)
C578	1-162-286-31		220PF	10%	50V	DE 10	0.710.007.00	DIODE III	1404		-1
C579	1-162-286-31	CERAMIC	220PF	10%	50V	D512	8-719-987-63			H450M:E	
						D513	8-719-987-63		148M (H450:E, AU	IS, EA, MY,	SP)
C580	1-162-286-31		220PF	10%	50V	D514	8-719-987-63	DIODE 1N4	148M		
C581	1-162-286-31	CERAMIC	220PF	10%	50V				(H450:E, AUS, EA,	MY,SP/H	450M:US,CND)
C582	1-162-286-31	CERAMIC	220PF	10%	50V	D515	8-719-987-63	DIODE 1N4	148M		
C583	1-162-286-31	CERAMIC	220PF	10%	50V	D530	8-719-987-63	DIODE 1N4	148M		
C644	1-164-159-11	CERAMIC	0. luF		50V						
						D540	8-719-987-63	DIODE 1N4	148M		
C650	1-161-494-00	CERAMIC	0.022uF		25V	D542	8-719-987-63	DIODE 1N4	148M		
C651	1-161-327-00	CERAMIC	0.0033uF	30%	16V	D650	8-719-987-63	DIODE 1N4	148M		
C652	1-164-159-11	CERAMIC	0. 1uF		50V	D660	8-719-987-63		148M		
C653	1-164-159-11		0. 1uF		50V	D670	8-719-987-63		148M		
C654	1-124-252-00		0.33uF	20%	50V		0 120 001 00	21022 1111	110		
								< FI HORESCE	NT INDICATOR TU	RF <	
C655	1-164-159-11	CERAMIC	0. 1uF		50V			1 LOGICEDOE	in indicator to	DL >	
C656	1-124-254-00		0.68uF	20%	50V	FI 501	1 517 259 11	INDICATOR T	UBE. FLUORESCEN	т	
C657	1-162-282-31		100PF	10%	50V	1.1201	1-311-236-11	INDICATOR I	UDE, PLUORESCEN	1	
C658			0. 0015uF	20%				. 10			
	1-161-374-11				50V			< IC >			
C659	1-126-157-11	ELECT	10uF	20%	16V	*****					
							8-759-248-06		42GF-053-3B9		
	1-161-494-00		0.022uF		25V	IC502	8-749-922-36	IC GP1U50	XB		
	1-161-327-00		0.0033uF	30%	16V		8-759-165-80		C-T		
C672	1-164-159-11	CERAMIC	0. 1uF		50V	IC541	8-759-165-84	IC PST600	G-T		
	1-164-159-11	CERAMIC	0. 1uF		50V	IC604	8-759-256-11	IC M5243P	12		
C674	1-124-252-00	ELECT	0.33uF	20%	50V						
								< TRANSISTO	R >		
C675	1-164-159-11	CERAMIC	0. 1uF		50V						
	1-124-254-00		0. 68uF	20%	50V	Q501	8-729-900-61	TRANSISTOR	DTA114ES		
	1-162-282-31		100PF	10%	50V	Q530	8-729-119-78		2SC2785-HFE		
	1-161-374-11		0.0015uF	20%	50V		8-729-900-80		DTC114ES		
	101 074 11	C.MU BILLO	oo 10u1	20%	1	<b>Q</b> UU1	0 120 000-00	TOTOTON	PICITAEO		

# DISPLAY

Ref.No.	Part No.	Description	n		Remark	Ref.No.	Part No.	Description	on 			Remark
Q602 Q603	8-729-900-61 8-729-900-61			A114E A114E		R562	1-247-807-31	CARBON	100	5%	1/4W	
QOOS	0-729-900-01	IIMMSISION				R563	1-247-807-31	CARBON	100	5%	1/4W	
Q650	8-729-202-67	TDANSTSTOR	20	K246-	-CR3	R564	1-247-807-31		100		1/4W	
•	8-729-119-78				5-HFE	R565	1-247-807-31		100		1/4W	
Q660	8-729-202-67			K246-	1	R566	1-247-807-31		100		1/4W	
Q670						R567	1-247-807-31		100		1/4₩	
Q680	8-729-119-78	TRANSISION	23	C2100	5-HFE	KJU1	1-247-007-01	CHILDON	100	0.0	1, 1	
		< RESISTOR	,			R568	1-247-807-31	CARBON	100	5%	1/4₩	
		C RESISTOR	. /			R569	1-247-807-31		100		1/4W	
R501	1-249-419-11	CADRON	1.5K	5 <b>%</b>	1 /AW	R570	1-247-807-31		100		1/4W	
R502	1-247-807-31		100		1/4W	R571	1-247-807-31		100	5%	1/4W	
R502	1-249-406-11		120		1/4W	R572	1-247-807-31		100		1/4W	
R504	1-249-406-11		120		1/4W			• • • • • • • • • • • • • • • • • • • •				
R504 R505	1-247-811-31		150		1/4W	R573	1-247-807-31	CARBON	100	5%	1/4W	
KJOJ	1-247-011-31	CARDON	150	J.	1/ 411	R574	1-247-807-31		100		1/4W	
R506	1-249-408-11	CADRON	180	5%	1/4W	R575	1-247-807-31		100	5%	1/4W	
	1-249-400-11		220		1/4W	R576	1-247-807-31		100		1/4W	
R507	1-249-409-11		270		1/4W	R577	1-247-807-31		100		1/4W	
R508	1-249-410-11		1.5K				1 21/ 00/ 01			-		
R511 R513	1-249-419-11		100		1/4W	R640	1-249-424-11	CARBON	3.9K	5%	1/4W	
кэ15	1-247-007-31	CARDON	100	JA	1/4"	R641	1-249-424-11		3.9K			
DE 1.4	1-249-406-11	CADRON	120	58	1/4W	R650	1-249-419-11		1.5K			
R514			120		1/4W	R651	1-249-441-11		100K			
R515	1-249-406-11 1-247-811-31		150		1/4W	R652	1-249-441-11		100K			
R516			180		1/4W(H450:E, AUS, EA, MY, SP)	NOOL	1 510 111 11	Children	10011	0.0	-, -,	
R517 R520	1-249-408-11 1-249-409-11		220		1/4W	R653	1-247-807-31	CARBON	100	5%	1/4W	
K320	1-249-409-11	CARDON	220	0.0	1/ 4"	R654	1-249-424-11		3.9K			
R521	1-249-416-11	CARBON	820	5%	1/4W(H450:E, AUS, EA, MY, SP)	R655	1-247-903-00		1M		1/4W	
R525	1-249-411-11		330		1/4W	R660	1-249-417-11	CARBON	1 K	5%	1/4W	
R530	1-249-417-11		1K		1/4W	R661	1-249-421-11	CARBON	2.2K	5%	1/4W	
R532	1-249-429-11		10K		1/4W							
R533	1-249-425-11		4.7K	5%	1/4W	R670	1-249-419-11	CARBON	1.5K	5%	1/4W	
						R671	1-249-441-11	CARBON	100K	5%	1/4W	
R534	1-249-429-11	CARBON	10K	5%	1/4W	R672	1-249-441-11	CARBON	100K	5%	1/4W	
R535	1-249-433-11	CARBON	22K	5%	1/4W	R673	1-247-807-31	CARBON	100	5%	1/4W	
R536	1-249-433-11	CARBON	22 <b>K</b>	5%	1/4W	R674	1-249-424-11	CARBON	3.9K	5%	1/4W	
R539	1-249-441-11	CARBON	100K	5%	1/4W							
R540	1-249-441-11	CARBON	100K	5%	1/4W	R675	1-247-903-00	CARBON	1M	5%	1/4W	
						R680	1-249-417-11	CARBON	1 K		1/4W	
R541	1-249-441-11	CARBON	100K	5%	1/4W	R681	1-249-421-11	CARBON	2.2K			
R542	1-249-441-11	CARBON	100K	5%	1/4W	R690	1-249-417-11		1 K	5%	1/4W	
R543	1-249-441-11	CARBON	100K	5%	1/4W	R691	1-249-429-11	CARBON	10K	5%	1/4W	
R544	1-249-441-11	CARBON	100K	5%	1/4W							
R545	1-249-441-11	CARBON	100K	5%	1/4W	R692	1-249-423-11		3.3K			
						R694	1-247-891-00		330K			
R546	1-249-429-11		10K		1/4W	R695	1-249-421-11	CARBON	2.2K	5%	1/41	
R547	1-249-429-11		10K		1/4W			. VADTADI I	neer	стор		
R548	1-249-429-11		10K		1/4W			< VARIABLI	E KESI	SIUK	>	
R552	1-249-425-11				1/4W	DUCOL	1 999 906 11	DEC VAD	ci inc	2EV	K /9E0V	(100Hz)
R553	1-249-417-11	CARBON	1 K	5 <b>%</b>	1/4W		1-223-296-11					The second secon
D=~ :		OADDON.	1 00	F.04	1 /410		1-223-296-11 1-223-296-11					
R554	1-249-425-11				1/4W	KV0U3	1-223-290-11	KES, VAK,	SLIDE	40UI	n/ 4JUA	(IUNIIZ/
R555	1-249-425-11				1/4W			< SWITCH :				
R560	1-247-807-31		100		1/4W			Conflue :				
R561	1-247-807-31	LAKBUN	100	O#0	1/4W	S401	1-692-883-11	CWITCH CI	IDF (	DOLE,	Y)	
						3401	1-092-009-11	J#11011, 01				1450M:CND, AEP, EE, UK)

# DISPLAY LEAF SW(A) LEAF SW(B) LOADING MAIN

Ref. No.	Part No.	Description	Remark	Ref.No.	Part No.	Descript	ion		Remark
S501 S502		SWITCH, KEY BOARD (S		*	1-650-836-11	LOADING			<del></del>
S502		SWITCH, KEY BOARD (M							
S504		SWITCH, KEY BOARD (7				< CONNEC	TOR >		
S505		SWITCH, KEY BOARD (C		*CN291	1-568-943-11	PIN, CON	NECTOR 5P		
S506		SWITCH, KEY BOARD (7							
S507	1-571-760-11	SWITCH, KEY BOARD (\				< SWITCH	>		
0508	1 571 700 11	•	AUS, EA, MY, SP/H450M:US, CND)			OFFICE	. D.D. /**	D 07.771)	
S507	1-5/1-760-11	SWITCH, KEY BOARD (F			1-572-086-11				
S508	1-571-760-11	SWITCH, KEY BOARD (F	:AEP,G,IT/H450M:AEP,EE,UK) PRESET/TUNING)	1	1-572-086-11				******
S511	1-571-760-11	SWITCH, KEY BOARD (E	BAND)	*	A-4369-102-A	MAIN BOA	RD, COMPL	ETE (H49	5OM:UK)
S512	1-571-760-11	SWITCH, KEY BOARD (S	SHIFT)	*	A-4369-106-A	MAIN BOA	RD, COMPLI	ETE (H4	50M:US)
S513	1-571-760-11	SWITCH, KEY BOARD (7	TUNER -)	*	A-4369-107-A	MAIN BOA	RD, COMPL	ETE (H45	50:AEP/H450M:AEP)
S514	1-571-760-11	SWITCH, KEY BOARD (7	TUNER +)	*	A-4369-114-A	MAIN BOA	RD, COMPLI	ETE (H45	50:E, AUS, EA, MY, SP)
S515	1-571-760-11	SWITCH, KEY BOARD (I	OBFB)	*	A-4369-115-A	MAIN BOA	RD, COMPLI	ETE (H45	50:G, IT)
S516	1-571-760-11	SWITCH, KEY BOARD (K	(ARAOKE PON) (H450:E, AUS, EA, MY, SP)	*	A-4371-091-A A-4371-218-A	MAIN BOAL		ETE (H49	50M:CND)
		< VIBRATOR >			4 005 500 01	DIATE O	DOLDED /ILA	-0 (11450)	4. AED)
X501	1-577-101-11	VIBRATOR, CERAMIC (4	1.19MHz)	*	4-925-530-01	PLAIE, G	KOUND (H4)	OU/H45UM	(I:AEP)
*****	*******	*******	******			< ANTENNA	A >		
*	1-647-784-11	LEAF SW (A) BOARD		ANT1	1-501-321-51	ANTENNA 1	TELESCOPIO	C (H450)	
						< CAPACI	ror >		
		< CONNECTOR >							
<b>≮</b> CN1001	1-568-943-11	PIN, CONNECTOR 5P		CI	1-162-195-31	CERAMIC	4.7PF	10%	50V (H450/H450M:AE
				C2	1-126-964-11	ELECT	10uF	20%	50V
		< SWITCH >		C3	1-161-379-00		0.01uF	20%	25V
				C5	1-164-159-11		0. 1uF		50V
		SWITCH, LEAF (A MOTO		C6	1-164-159-11	CERAMIC	0. luF		50V
		SWITCH, LEAF (A PLAY				(H450	):AEP, E, AU	JS, EA, MY	', SP/H450M <b>: A</b> EP, EE, UI
		SWITCH, LEAF (A CrO <sub>2</sub>		0.5					
****	********	******	*****	C7	1-162-198-31			10%	50V
k	1 647 705 11	LEAF SW (B) BOARD		C8	1-164-159-11			ie er rei	50V
r	1-04/-/00-11	**************************************		C9	1-162-280-31				, SP/H450M; AEP, EE, UK
				(9	1-102-200-31	CERAMIC	82PF	10%	50V
		< CONNECTOR >		C9	1-162-195-31	CEDAMIC	4.7PF	10%	AEP/H450M; <b>A</b> EP, EE, UK 50V
		COMPLETOR		(3	1-102-193-31	CERAMIC	4.711		H450:E, AUS. EA, MY, SP
► CN2001	1-568-944-11	PIN, CONNECTOR 6P		C10	1-164-159-11	CERAMIC	0. 1nF	,	50V
	_ 555 011 11				- 10. 100 11			IS, EA, MY	, SP/H450M; AEP, EE, UK
		< SWITCH >		C11	1 126 169 00	EHM	O OFC.P	ΕV	FOV
S2001	1-571-726-11	SWITCH, LEAF (B MOTO	IR)	C11	1-136-162-00	LILM	0.056uF	5%	50V HARO'R AIR RAMV SP
		SWITCH, LEAF (B PLAY						(	H450:E, AUS, EA, MY, SF
		SWITCH, LEAF (B REC)							
		SWITCH, LEAF (B CrO2)							
	1-016-000-11	Outloil Prvi (D C105	<i>'</i>						

Ref.No.	Part No.	Descript	i on		Remark	Ref.No.	Part No.	Descript	ion		Remark
C12	1-102-120-00	CERAMIC	0.0018uF		50V P/H450M:AEP,EE,UK)	C73	1-124-903-11	ELECT	luF	20%	50V
C13	1-161-374-11	CERAMIC	0.0015uF	20%	50V	C74	1-162-293-31	CERAMIC	820PF	10%	50V
				(H450:AE	P/H450M:AEP,EE,UK)						, AUS, EA, MY, SP/H450
C15	1-161-379-00	CERAMIC	0.01uF		25V	C74	1-162-291-31		560PF	10%	50V (H450:G, IT)
				(H4	50:E, AUS, EA, MY, SP)	C75	1-161-377-00		0.0047uF	30%	16V
C21	1-162-205-31	CERAMIC	18PF	5 <b>%</b>	50V	C76	1-126-233-11		22uF	20%	50V
						C77	1-161-379-00	CERAMIC	0.01uF	20%	25V
C22	1-162-205-31		18PF		50V						
C23	1-161-379-00		0.01uF		25V	C78	1-123-382-00		3. 3uF	20%	100V
C24	1-161-379-00		0.01uF		25V	C79	1-161-379-00		0.01uF	20%	25V
C25	1-161-379-00	CERAMIC	0.01uF		25V	C80	1-161-379-00		0.01uF	20%	25V
C26	1-126-964-11	ELECT	10uF	20%	50V	C81	1-161-379-00		0.01uF	20%	25V
						C82	1-162-207-31	CERAMIC	22PF	5%	50V
C27	1-161-379-00	CERAMIC	0.01uF		25V						
C28	1-161-379-00		0.01uF		25V	C92	1-126-964-11		10uF	20%	50V
C29	1-161-379-00	CERAMIC	0.01uF		25V	C94	1-164-159-11		0. 1uF		50V
C30	1-126-964-11		10uF		50V	C95	1-164-159-11	CERAMIC	0. luF		50V
C31	1-124-925-11	ELECT	2. 2uF	20%	100V						, AUS, EA, MY, SP/H450
						C201	1-136-153-00		0.01uF	5%	50V
C32	1-136-153-00		0.01uF		50V	C202	1-164-159-11	CERAMIC	0. 1uF		50V
C33	1-124-463-00		0. luF		50V						
C34	1-124-902-00	ELECT	0.47uF		50V	C203	1-137-434-11		0.0018uF	5%	50V
					P/H450M:AEP,EE,UK)	C204	1-126-964-11		10uF	20%	50V
C35	1-136-157-00	FILM	0.022uF		50V	C205	1-136-155-00		0.015uF	5%	50V
					P/H450M:AEP,EE,UK)	C206	1-137-364-11		0.001uF	5%	50V
C36	1-136-157-00	FILM	0.022uF		50V	C207	1-126-947-11	ELECT	47uF	20%	35V
				(H450:AE	P/H450M:AEP,EE,UK)						
						C208	1-164-159-11		0. luF		50V
C51	1-126-964-11		10uF		50V	C209	1-161-379-00		0.01uF	20%	25V
C52	1-161-379-00		0.01uF		25V	C251	1-136-153-00		0.01uF	5%	50V
C53	1-162-282-31		100PF		50V	C252	1-164-159-11		0. luF		50V
C54	1-161-379-00		0.01uF		25V	C253	1-137-434-11	FILM	0.0018uF	5%	50V
C55	1-161-379-00	CERAMIC	0.01uF	20%	25V	005.4	1 100 004 11	PI POT	10. 5	00%	FOU
055		DI DOD	0.0.0	200	10017	C254	1-126-964-11		10uF	20%	50V
C57	1-124-925-11		2. 2uF		100V	C255	1-136-155-00		0.015uF	5%	50V
C58	1-124-903-11		luF		50V	C256	1-137-364-11		0.001uF	5%	50V
C59	1-161-379-00		0.01uF		25V	C257	1-126-947-11		47uF	20%	35V
C60	1-124-903-11		luF		50V	C258	1-164-159-11	CERAMIC	0. luF		50V
C61	1-137-438-11	FILM	0.0082uF		50V	COFO	1 101 270 00	CEDANTO	0.010	200	25V
			(H450	U.AEP, G, I	T/H450M:AEP,EE,UK)	C259	1-161-379-00		0.01uF	20%	
001	1 100 155 00	FILL	0.015.5	r.N	FOU	C260	1-162-290-31		470PF	10%	50V
C61	1-136-155-00	FILM	0. 015uF		50V	C261	1-164-159-11		0. 1uF	90%	50V
001	1 100 155 00	DILL			A, MY, SP/H450M:CND)	C278	1-161-379-00		0.01uF	20%	25V
C61	1-136-157-00		0.022uF		50V (H450M:US)	C279	1-161-494-00	CERAMIC	0.022uF		25V
C62	1-137-438-11	FILM	0.0082uF		50V	COOO	1 104 150 11	CEDANTO	0.1		rov.
cen	1 100 155 00	PILM			T/H450M:AEP,EE,UK)	C282	1-164-159-11		0. luF	200	50V
C62	1-136-155-00	FILM	0.015uF		50V	C283	1-126-964-11		10uF	20%	50V
CCO	1 190 157 00	PHI			A, MY, SP/H450M:CND)	C284	1-164-159-11		0. 1uF		50V
C62	1-136-157-00	rilM	0.022uF	5%	50V (H450M:US)	C285	1-164-159-11		0. 1uF	2014	50V
CES	1 104 000 11	ELECT	LeF	20%	EOV.	C291	1-124-927-11	CLEUI	4.7uF	20%	100V
C63	1-124-903-11		luF		50V	C202	1 194 007 11	EI ECT	4 7.1E	200	100V
C64	1-124-903-11		1uF		50V	C292	1-124-927-11		4.7uF	20%	100V
C68	1-161-377-00	CERAMIC	0.0047uF		16V	C293	1-126-926-11		1000uF	20%	10V
C69	1 161 277 00	CEDANTO			50M:CND,AEP,EE,UK) 16V	C294 C295	1-161-379-00 1-126-964-11		0.01uF 10uF	20% 20%	25V 50V
003	1-161-377-00	CERAMIC	0.0047uF		50M:CND, AEP, EE, UK)	C295 C296	1-126-964-11		10ur 470uF	20%	10V
			(n45U.AEI	i, u, 11/H4	OUM, OND, MEF, EE, UK)	1 0290	1-120-929-11	ELECT	41 UUF	2010	101

Ref.No.	Part No.	Descripti	on		Remark	Ref.No.	Part No.	Descripti	on 		Remark
C297	1-126-933-11	ELECT	100uF	20%	16V	C434	1-162-283-31	CERAMIC	120PF	10%	50V
C299	1-126-947-11		47uF	20%	35V	C435	1-162-286-31	CERAMIC	220PF	10%	50V
C301	1-162-292-31		680PF	10%	50V	C436	1-162-286-31	CERAMIC	220PF	10%	50V
C302	1-136-157-00		0. 022uF	5%	50V	C455	1-126-933-11	ELECT	100uF	20%	16V
C303	1-126-964-11		10uF	20%	50V	C456	1-126-933-11	ELECT	100uF	20%	16V
C304	1-162-282-31	CERAMIC	100PF	10%	50V	C459	1-126-964-11	ELECT	10uF	20%	50V
C311	1-162-293-31		820PF	10%	50V	C460	1-126-964-11	ELECT	10uF	20%	50V
C312	1-136-157-00		0.022uF	5%	50V	C461	1-126-768-11	ELECT	2200uF	20%	16V
C313	1-126-964-11	ELECT	10uF	20%	50V	C464	1-126-933-11	ELECT	100uF	20%	16V
C314	1-162-282-31	CERAMIC	100PF	10%	50V	C465	1-126-933-11	ELECT	100uF	20%	16V
C315	1-126-933-11	ELECT	100uF	20%	16V	C470	1-164-159-11	CERAMIC	0. 1uF		50V
C321	1-137-368-11	FILM .	0.0047uF	5%	50V	C471	1-124-925-11	ELECT	2. 2uF	20%	100V
C322	1-124-903-11	ELECT	luF	20%	50V	C472	1-136-562-11	FILM	0.0082uF	5%	630V
C323	1-124-927-11	ELECT	4.7uF	20%	100V					(H450:	AEP/H450M:AEP,EE,UK)
C324	1-164-159-11	CERAMIC	0. luF		50V	C472	1-136-601-11		0.01uF	5% aug da	630V ,MY,SP/H450M:US,CND)
0005	1 100 004 11	DI EOE	10 F	00%	rou	C472	1 194 095 11		2. 2uF	20%	100V
C325	1-126-964-11		10uF	20%	50V	C473	1-124-925-11	ELECT	2. Zur	20%	1007
C326	1-124-903-11		luF	20%	50V	C474	1 127 270 11	ETIM	0.01E	5%	50V
C327	1-124-902-00		0.47uF	20%	50V	C474	1-137-370-11		0.01uF		
C328	1-124-927-11		4.7uF	20%	100V	C475	1-161-329-00		0.0068uF	30%	16V
C329	1-162-291-31	CERAMIC	560PF	10%	50V	C476	1-137-436-11		0.0039uF	5%	50V
						C477	1-137-436-11		0.0039uF	5%	50V
C330	1-161-374-11		0.0015uF	20%	50V	C478	1-164-159-11	CERAMIC	0. luF		50V
C331	1-162-209-31		27PF	5%	50V	0.450		DI DOD	000 F	000	1.017
C332	1-162-279-31		75PF	10%	50V	C479	1-126-934-11		220uF	20%	16V
C333	1-162-288-31		330PF	10%	50V	C480	1-124-927-11		4. 7uF	20%	100V
C334	1-162-283-31	CERAMIC	120PF	10%	50V	C481	1-136-555-11	FILM	0.0022uF	5% (H450:	630V AEP/H450M:AEP,EE,UK)
C335	1-162-286-31	CERAMIC	220PF	10%	50V	C482	1-136-555-11	FILM	.0.0022uF	5%	630V
C351	1-126-947-11		47uF	20%	35V					(H450:	AEP/H450M:AEP,EE,UK)
C352	1-161-494-00		0. 022uF	-0%	25V	C491	1-124-927-11	ELECT	4.7uF	20%	100V
C401	1-162-292-31		680PF	10%	50V						
C402	1-136-157-00		0.022uF	5%	50V	C492	1-124-903-11	ELECT	luF	20%	50V
0.02	1 100 107 00	1 112.11	0.02241			C493	1-124-927-11		4. 7uF	20%	100V
C403	1-126-964-11	FLECT	10uF	20%	50V	C494	1-124-903-11	ELECT	luF	20%	50V
C404	1-162-282-31		100PF	10%	50V	C495	1-126-964-11		10uF	20%	50V
C411	1-162-293-31		820PF	10%	50V	C496	1-124-925-11		2. 2uF	20%	100V
C412	1-136-157-00		0. 022uF	5%	50V					.G. IT/	H450M:CND, AEP, EE, UK)
C413	1-126-964-11		10uF	20%	50V						
0414	1 100 222	000 1177	10000	1.00	FOV	C620	1-161-377-00	CERAMIC	0.0047uF		16V
C414	1-162-282-31		100PF	10%	50V	0001	1 101 200 00	CEDANTO	0.0000		H450:E, AUS, EA, MY, SP)
C415	1-126-933-11		100uF	20%	16V	C621	1-161-329-00	CERAMIC	0. 0068uF		16V
C421	1-137-368-11		0.0047uF	5%	50V	0000	1 160 000 01	CEDANTO	10000		H450:E, AUS, EA, MY, SP)
C422	1-124-903-11		luF	20%	50V	C622	1-162-282-31		100PF	10%	50V
C423	1-124-927-11	ELECT	4.7uF	20%	100V	C623 C624	1-162-215-31 1-164-159-11		47PF 0. luF	5%	50V 50V
C424	1-164-159-11	CERAMIC	0. luF		50V						
C425	1-126-964-11		10uF	20%	50V	C630	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C426	1-124-903-11		1uF	20%	50V					()	H450:E, AUS, EA, MY, SP)
C427	1-124-902-00		0.47uF	20%	50V	C631	1-161-329-00	CERAMIC	0.0068uF	30%	16V
C428	1-124-927-11		4. 7uF	20%	100V						H450:E, AUS, EA, MY, SP)
						C632	1-162-282-31		100PF	10%	50V
C429	1-162-291-31	CERAMIC	560PF	10%	50V	C633	1-162-215-31	CERAMIC	47PF	5%	50V
C430	1-161-374-11	CERAMIC	0.0015uF	20%	50V	C634	1-164-159-11	CERAMIC	0. luF		50V
C431	1-162-209-31	CERAMIC	27PF	5 <b>%</b>	50V						
C432	1-162-279-31	CERAMIC	75PF	10%	50V	C642	1-126-964-11	ELECT	10uF	20%	50V
C433	1-162-288-31		330PF	10%	50V	C643	1-126-964-11	ELECT	10uF	20%	50V

Ref.No.	Part No.	Descripti	on		]	Remark	Ref.No.	Part No.	Descript	ion			Remark
C730	1-164-159-11	CERAMIC	0. luF		50V		C2005	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C734	1-164-159-11	CERAMIC	0. luF		50V	(H450:G, IT)	C2006	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C735	1-164-159-11		0. luF		50V	(H450:G, IT)							
							C2007	1-164-159-11	CERAMIC	0. luF		50V	
C750	1-162-282-31	CERAMIC	100PF	10%	50V		C4003	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C751	1-162-282-31	CERAMIC	100PF	10%	50V	(H450:G, IT)	C6001	1-162-282-31	CERAMIC	100PF	10%	50V	
C752	1-162-282-31	CERAMIC	100PF	10%	50V					(H450:AEP	, G, I7	Γ∕H450M	CND, AEP, EE, UK)
				(H450:	AEP/H4	50M:AEP,EE,UK)	C8001	1-162-282-31	CERAMIC	100PF	10%	50V	(H450:G, IT)
C752	1-162-294-31	CERAMIC	0.001uF	10%	50V	(H450:G, IT)	C8002	1-124-122-11	ELECT	100uF	20%	50V	
C753	1-124-927-11	ELECT	4.7uF	20%	100V		ļ						
			(H450	:AEP, G,	IT/H4	50M:AEP,EE,UK)	Į.	1-124-122-11		100uF	20%	50V	
							C8051	1-162-282-31	CERAMIC	100PF	10%	50V	(H450:G, IT)
C754	1-137-437-11	FILM	0.0056uF		50V								
						50M:AEP,EE,UK)			< FILTER	>			
C755	1-137-365-11	FILM	0.0015uF		50V		051	. 505 000 11	D.1.1 (111)	OPP MIT C			
0==0		OPP MIT O		AEP, G,		50M:AEP,EE,UK)	CF1	1-567-389-11			145010	) TT)	
C <b>7</b> 56	1-164-159-11	CERAMIC	0. 1uF	ALPR C	50V	FOW APP PP IIV	CF2	1-567-389-11			45016	i, II <i>)</i>	
0858	1 104 005 11	PI POT				50M:AEP,EE,UK)	CF51	1-567-389-11	FILIEK,	CERAMIC			
C757 C759	1-124-925-11 1-164-159-11		2. 2uF 0. 1uF	20%	100V 50V				< CONNEC	TOD 、			
C759	1-104-159-11	CERAMIC	0. Tur		301				COMMEC	TOR >			
C766	1-164-159-11	CERAMIC	0. 1uF		50V		* CN201	1-568-839-11	SOCKET	CONNECTOR 2	3P		
0700	1-104-155-11	CLIVINIC		·AFP C		50M: AEP, EE, UK)		1-568-954-11			0.		
C770	1-162-282-31	CERAMIC	100PF	10%	50V	JOH! / HE , EE, OH /		1-569-779-11					
C771	1-162-282-31		100PF	10%		(H450:G, IT)		1-564-507-11					
C772	1-162-282-31		100PF	10%	50V			1-564-509-11					
		V				50M:AEP,EE,UK)							
C772	1-162-294-31	CERAMIC	0.001uF	10%		(H450:G, IT)	CN303	1-564-505-11	PLUG, CO	NNECTOR 2P			
								1-564-706-11			LL TY	PE) 4P	
C773	1-124-927-11	ELECT	4. 7uF	20%	100V		*CN411	1-568-449-11	HOUSING,	CONNECTOR (	PC BO	ARD)3P	
			(H450	: AEP, G,	IT/H4	50M:AEP,EE,UK)	<b>★</b> CN412	1-568-449-11	${\tt HOUSING,}$	CONNECTOR (	PC BO	ARD) 3P	
C774	1-137-437-11	FILM	$0.0056 \mathrm{uF}$	5%	50V		CN601	1-764-294-11	PIN, CON	NECTOR (PC	BOARD	) 32P	
			(H450	:AEP,G,	IT/H4	50M:AEP,EE,UK)							
C775	1-137-365-11	FILM	0.0015uF		50V		CN602	1-695-693-11	CONNECTO	R, FFC/FPC	9P		
						50M:AEP,EE,UK)							
C777	1-124-925-11		2. 2uF	20%	100V				< VARIAB	LE CAPACITO	R >		
C779	1-164-159-11	CERAMIC	0. luF		50V				0.D mot		- /	-a.n	(C D) (E) (D)
0505	1 100 004 01	OPPLIE	0.001 F	1.00	5011		CV1	1-141-227-00					IS, EA, MY, SP)
C797	1-162-294-31		0.001uF	10%	50V		CV2	1-141-227-00	CAP, IRII	MMER ZOPI	r (H4	50;E, AU	is, ea, my, sp)
	1-162-205 <b>-</b> 31 1-161-379-00		18PF 0. 01uF	5% 20%	50V 25V				< DIODE :				
C1002	1-101-379-00	CERAMIC	0. Ulur			, AUS, EA, MY, SP)			< DIODE .	>			
C1003	1-124-477-11	EI ECT	47uF	20%	25V	, AUG, EA, WII, SI /	DI	8-719-976-30	DIODE	KV1560N	(HA	50'F AL	(S, EA, MY, SP)
01005	1-124-477-11	LLLCI	47 01			, AUS, EA, MY, SP)	D21	8-719-933-33		HZS6A1L	(11-1-	00 + L, 110	0,111,111,01
C1004	1-164-159-11	CERAMIC	0. luF	(*	50V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	D51	8-719-987-63		1N4148M			
01001	1 101 100 11	CLIN BILL	0.101	(H		AUS, EA, MY, SP)	D201	8-719-200-82		11ES2			
						, , , ,	D221	8-719-987-63		1N4148M			
C1005	1-161-379-00	CERAMIC	0.01uF	20%	25V								
				(H	I450:E,	AUS, EA, MY, SP)	D252	8-719-010-33	DIODE	JZ-4.7BSB			
C1006	1-161-379-00	CERAMIC	0.01uF	20%	25V		D403	8-719-987-63	DIODE	1N4148M			
				(H	I450:E,	AUS, EA, MY, SP)	D404	8-719-987-63	DIODE .	1N4148M			
C1007	1-126-933-11	ELECT	100uF	20%	16V		D405	8-719-987-63	DIODE .	1N4148M			
				(H	I450:E,	AUS, EA, MY, SP)	D407	8-719-987-63	DIODE	1N4148M			
C1008	1-162-282-31	CERAMIC	100PF	10%	50V		1						
C1009	1-161-379-00	CERAMIC	0.01uF	20%	25V		D408	8-719-987-63		1N4148M			
							D409	8-719-987-63		IN4148M			
	1-161-379-00		0.01uF	20%	25V		D451	8-719-933-33		IZS6A1L			
C2003	1-161-379-00		0.01uF	20%	25V		D602	8-719-987-63	DIODE :	IN4148M	(H4	50:E, AU	S, EA, MY, SP)
C2004	1-161-379-00	CERAMIC	0.01uF	20%	25V								

Ref.No.	Part No.	Description	n	Rema	rk	Ref.No.	Part No.	Description	Remark
		< FERRITE	BEAD >			J750	1-764-767-11	JACK, PIN 2P	(PHONO) (H450:AEP, G, IT/H450M; AEP, EE, UK)
	1-410-858-11		OUH	(H450:G, IT)					(1430.ALI, G, 11/11430MLALI, EE, UK)
<b>★</b> FB851	1-410-858-11	INDUCTOR	OUH	(H450:G, IT)				< COIL >	
		< FRONTEND	<b>)</b> >			L1	1-408-425-00	INDUCTOR	220uH (H450:AEP/H450M:AEP,EE,UK)
FE1	1-465-673-11			OD 2115011110 O	.m. 4mm)	L2	1-410-521-11		100uH (H450:E, AUS, EA, MY, SP)
PC1	1 405 005 11			, SP/H450M:US, C		L21	1-410-482-31		100uH
FE1	1-465-007-11 1-465-396-11				0:G, IT) 50M:EE)	L51 L201	1-410-496-11 1-410-521-11		1.5mH 100uH
FE1 FE2				л <del>и</del> Т (H450:AEP/H4		1.201	1-410-521-11	INDUCTOR	100un
rez	1-239-201-12	ENCAI SULAT	ED COMEOUREN	1 (11450 AE1/114	EE, UK)	L202	1-410-521-11	INDUCTOR	100uH
FE2	1-239-260-11	ENCAPSULAT	ED COMPONEN	Г	DE, UN	L301	1-410-780-11		27 <b>m</b> H
1 111	1 203 200 11	LITORI GOLITI		50:G,IT/H450M:	US, CND)	L401	1-410-780-11		27mH
						L451	1-408-429-00		470uH
FE2	1-239-262-11	ENCAPSULAT	ED COMPONEN	T(H450:E, AUS, E	A, MY, SP)	L1001	1-410-521-11		100uH (H450:G, IT)
FE3	1-239-846-11	ENCAPSULAT	TED COMPONEN	Т (Н450:АЕР/Н4	50M:AEP,				
					EE, UK)	L1002	1-410-521-11	INDUCTOR	100uH (H450:G, IT)
		< IC >						< FILTER >	
IC21	8-759-175-87	IC LC721	8-ST			LPF51	1-239-845-11	FILTER, LOW	PASS
IC51	8-759-090-40		1					(H4	50:AEP, G, IT/H450M:CND, AEP, EE, UK)
IC201	8-759-145-58	IC UPC45	58C			LPF52	1-239-845-11	FILTER, LOW	PASS
IC202	8-759-145-58	IC UPC45	58C					(H4	50:AEP, G, IT/H450M:CND, AEP, EE, UK)
IC203	8-759-096-75	IC TDA15	45P						
			_					< TRANSISTOR	>
	8-759-821-93					0.1	0.700.000.00	TRANSTOTOR	0000000 00
	8-759-165-80					Q1	8-729-230-99		2SC2669-0Y
	8-759-822-09 8-759-098-73					Q2 Q3	8-729-230-99 8-729-900-61		2SC2669-0Y (H450:G, IT) DTA114ES
10303	0-109-090-10			Γ/H450M:CND, AE	D EE IIK)	Q3 Q4	8-729-900-61		2SA1175-HFE
TC303	8-759-198-48			1) H400M, CND, AL	, LL, ON	ų,	0 120 110 10		E, AUS, EA, MY, SP/H450M: AEP, EE, UK)
	0 100 100 10	10 121121		AUS, EA, MY, SP/H	450M:US)	Q5	8-729-119-76		2SA1175-HFE
			,,						, E, AUS, EA, MY, SP/H450M; AEP, EE, UK)
IC304	8-759-111-44	IC UPC45	70C-1						
IC305	8-759-111-44	IC UPC45	70C-1			Q6	8-729-900-80	TRANSISTOR	DTC114ES
IC306	8-759-143-54	IC UPC13	30HA					(H450:AEP,	E, AUS, EA, MY, SP/H450M:AEP, EE, UK)
IC351	8-759-248-11	IC TMP87	CH46N-4067			Q7	8-729-900-80	TRANSISTOR	DTC114ES
IC407	8-759-240-81	IC TC408	1BP					(H450:AEP,	E, AUS, EA, MY, SP/H450M; AEP, EE, UK)
						Q8	8-729-900-80	TRANSISTOR	
	8-759-634-50								E, AUS, EA, MY, SP/H450M:AEP, EE, UK)
	8-759-820-62					Q9	8-729-119-78		2SC2785-HFE
	8-759-634-50			P.G,IT/H450M:A	EP, EE, UK)	015			E, AUS, EA, MY, SP/H450M:AEP, EE, UK)
10751	8-759-000-48	IC MC140	52BCP			Q15	8-729-231-20	TRANSISTOR	2SK161-YGR (H450:E, AUS, EA, MY, SP)
		< IFT >				Q21	8-729-202-67	TRANSISTOR	2SK246-GR3
						Q22	8-729-201-84	TRANSISTOR	2SC3112-B
IFT51	1-404-713-11	TRANSFORME	R, IF			Q23	8-729-202-67	TRANSISTOR	2SK246-GR3
									(H450:AEP/H450M:AÆP,EE,UK)
		< JACK >				Q24	8-729-201-84	TRANSISTOR	2SC3112-B
									(H450:AEP/H450M:AEP, EE, UK)
J730	1-750-032-11	-		PHONES)		Q53	8-729-900-80	TRANSISTOR	DTC114ES
J750	1-764-767-11	-		10,000	IC CMD)				
		(H	450:E, AUS, E	A, MY, SP/H450M:U	15, CND)				

Ref.No.	Part No.	Description		Remark	Ref.No.	Part No.	Description			Remark
Q201	8-729-119-78		2SC2785-HFE		R18	1-249-429-11		10K	5%	1/4W
Q202	8-729-141-26		2SC3622A-LK							P/H450M; AEP, EE, UK)
Q203	8-729-900-80		DTC114ES		R19	1-249-429-11		10K	5%	1/4W
Q204	8-729-900-61		DTA114ES							P/H450M: AEP, EE, UK)
Q205	8-729-900-61	TRANSISTOR	DTA114ES		R21	1-249-417-11	CARBON	1 K	5%	1/4W
Q221	8-729-119-78	TRANSISTOR	2SC2785-HFE		R22	1-249-417-11	CARBON	1 <b>K</b>	5%	1/4W
Q251	8-729-119-78	TRANSISTOR	2SC2785-HFE		R23	1-249-417-11	CARBON	1K	5%	1/4W
Q252	8-729-141-26		2SC3622A-LK		R24	1-247-807-31	CARBON	100	5%	1/4W
Q291	8-729-119-76		2SA1175-HFE		R25	1-249-425-11		4.7K	5%	1/4W
Q301	8-729-141-26		2SC3622A-LK		R26	1-249-417-11		1 <b>K</b>	5%	1/4W
0.101	0 700 111 00	TTD LNIG T OTDOD	00000001 17		D07	1 040 400 11	CADDON	000	-α	1 / 450
Q401	8-729-141-26		2SC3622A-LK		R27	1-249-409-11		220	5%	1/4W
Q407	8-729-900-89		DTC144ES		R28	1-247-807-31		100	5%	1/4W
Q408	8-729-900-89		DTC144ES		R30	1-249-423-11		3.3K		1/4W
Q409	8-729-900-89		DTC144ES		R31	1-249-414-11		560	5%	1/4W
Q410	8-729-900-65	TRANSISTOR	DTA144ES		R32	1-249-417-11	CARBON	1K	5%	1/4W
Q411	8-729-900-89	TRANSISTOR	DTC144ES		R33	1-249-410-11	CARBON	270	5%	1/4W
Q412	8-729-900-89	TRANSISTOR	DTC144ES		R34	1-249-425-11	CARBON	4.7K	5%	1/4W
Q451	8-729-194-57	TRANSISTOR	2SC945-P		R35	1-249-421-11	CARBON	2.2K	5%	1/4W
Q452	8-729-194-57		2SC945-P		R36	1-249-425-11	CARBON	4.7K	5%	1/4W
Q453	8-729-119-76		2SA1175-HFE		R37	1-249-425-11	CARBON	4.7K	5%	1/4W
,										
Q454	8-729-119-78	TRANSISTOR	2SC2785-HFE		R38	1-247-807-31	CARBON	100	5%	1/4W
Q620	8-729-900-80	TRANSISTOR	DTC114ES (H450	):E, AUS, EA, MY, SP)	R39	1-249-423-11	CARBON	3.3K	5%	1/4W
Q630	8-729-900-80	TRANSISTOR	DTC114ES (H450	):E, AUS, EA, MY, SP)				(H4	50:AE	P/H450M:AEP,EE,UK)
					R40	1-249-414-11	CARBON	560	5%	1/4W
		< RESISTOR >						(H4	50:AE	P/H450M:AEP,EE,UK)
					R41	1-249-417-11	CARBON	1K	5%	1/4W
R1	1-249-411-11		330 5%	1/4W						P/H450M:AEP,EE,UK)
R2	1-249-411-11		330 5%	1/4W	R42	1-249-410-11	CARBON	270	5%	1/4W
R3	1-247-891-00	CARBON	330K 5%	1/4₩				(H4	50:AE	P/H450M:AEP,EE,UK)
R4	1-249-411-11		330 5%	1/4W						
R5	1-247-891-00	CARBON	330K 5%	1/4W(H450:G, IT)	R43	1-249-433-11	CARBON	22K	5%	1/4W P/H450M:AEP,EE,UK)
R6	1-249-411-11	CARBON	330 5%	1/4W(H450:G, IT)	R44	1-249-421-11	CARBON	2.2K		1/4W
R7	1-249-406-11		120 5%	1/4W						P/H450M: AEP, EE, UK)
R8	1-249-429-11		10K 5%	1/4W	R45	1-249-425-11	CARBON	4.7K		1/4W
	1 210 120 11			H450M: AEP, EE, UK)		1 010 100 11	0.114001.			P/H450M: AEP, EE, UK)
R9	1-249-429-11		10K 5%	1/4W	R46	1-249-425-11	CARBON	4.7K		1/4W
	1 210 100 11			'H450M: AEP, EE, UK)						P/H450M:AEP, EE, UK)
R10	1-249-437-11		47K 5%	1/4W	R47	1-249-417-11	CARBON	1K	5%	1/4W
							(H450:AEP, E,	AUS, EA	, MY, SI	P/H450M:AEP,EE,UK)
R11	1-249-429-11	CARBON	10K 5%	1/4W						
R12	1-249-425-11		4.7K 5%	1/4W	R52	1-249-423-11		3.3K	5%	1/4W
		(H450:AEP,	E, AUS, EA, MY, SP/	H450M: AEP, EE, UK)	R53	1-247-822-11		430	5%	1/4W
R13	1-249-437-11	CARBON	47K 5%	1/4W	R54	1-247-870-11	CARBON	43K	5%	1/4W
			(H450:AEP/	H450M:AEP,EE,UK)	R55	1-249-429-11	CARBON	10K	5%	1/4W
R13	1-247-903-00	CARBON 1M	5% 1/4W		R56	1-247-842-11	CARBON	3K	5%	1/4W
			(H450	):E, AUS, EA, MY, SP)						
R14	1-249-429-11	CARBON	10K 5%	1/4W	R57	1-249-423-11	CARBON	3.3K	5%	1/4W
		(H450:AEP,	E, AUS, EA, MY, SP/	H450M:AEP,EE,UK)	R58	1-249-437-11	CARBON	47K	5%	1/4W
					R61	1-249-418-11	CARBON	1.2K	5%	1/4W
R15	1-247-807-31	CARBON	100 5%	1/4W	R62	1-249-418-11	CARBON	1.2K	5%	1/4W
R17	1-247-903-00	CARBON	1M 5%	1/4W	R65	1-249-429-11	CARBON	10 <b>K</b>	5%	1/4W
			(H450:AEP)	H450M: AEP, EE, UK)			OARROW.			. / 400
					R66	1-249-429-11	CARBON	10K	5%	1/4W

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R67	1-249-437-11	CARBON	47K	5%	1/4W	R283	1-249-434-11	CARBON	27K	5%	1/ <b>4W</b>
R69	1-249-399-11	CARBON	33	5%	1/4W	R291	1-249-437-11	CARBON	47K	5%	1/4W
R70	1-249-413-11	CARBON	470	5%	1/4W	R292	1-249-424-11	CARBON	3.9K	5 <b>%</b>	1/4W
R91	1-247-807-31	CARBON	100	5%	1/4W	R293	1-249-417-11	CARBON	1K	5%	1/4W
						<b>∆R299</b>	1-212-950-00	FUSIBLE	4.7	5%	1/2W F
R201	1-249-425-11	CARBON	4.7K	<b>5%</b>	1/4W						
R202	1-249-411-11	CARBON	330	5%	1/4W	R301	1-247-889-00		270K		1/4W
R203	1-249-416-11	CARBON	820	5%	1/4W	R302	1-249-404-00		82	5%	1/4W
R204	1-247-842-11	CARBON	3K	5%	1/4W	R303	1-247-882-11		130K		1/4W
R205	1-249-420-11	CARBON	1.8K	5%	1/4W	R304	1-247-850-11		6.2K		1/4W
						R311	1-247-889-00	CARBON	270K	5%	1/4W
R206	1-249-424-11		3.9K	5%	1/4W	2010	1 040 404 00	OADDON	00	F.W	1 /410
R207	1-249-420-11		1.8K		1/4W	R312	1-249-404-00		82	5% 5%	1/4W
R208	1-247-838-00		2K	5%	1/4W	R313	1-247-882-11		130K	5%	1/4W
R209	1-249-417-11		1K	5% 5∝	1/4W	R314	1-247-850-11		6.2K 22K		1/4W 1/4W
R210	1-249-441-11	CARBON	100K	5%	1/4W	R316 R321	1-249-433-11 1-249-429-11		22K 10K	5% 5%	1/4W
D011	1 040 417 11	CADDON	1 V	ΕW	1./40	K321	1-249-429-11	CARDON	101	370	1/411
R211	1-249-417-11		1K	5%	1/4W	R322	1-249-431-11	CADRON	15K	5%	1/4W
R212	1-249-425-11		4.7K	5% 5%	1/4W 1/4W	R323	1-249-431-11		3.3K		1/4W
R215	1-249-411-11		330 10K	5%	1/4\\\\	R324	1-249-423-11		1K	5%	1/4W
R221 R223	1-249-429-11		10K	5%	1/4W	R325	1-249-414-11		560	5%	1/4W
K223	1-249-429-11	CARDON	101	370	1/4"	R326	1-249-425-11		4.7K		1/4W
R224	1-249-425-11	CARRON	4.7K	5%	1/4W	1020	1 240 420 11	Critabon		0.0	1/ 1"
R225	1-249-417-11		1K	5%	1/4W	R327	1-249-433-11	CARBON	22K	5%	1/4W
R226	1-249-417-11		1K	5%	1/4W	R328	1-249-417-11		1K	5%	1/4W
R227	1-249-417-11		1K	5%	1/4W	R331	1-249-430-11		12K	5%	1/4W
R228	1-249-417-11		1K	5%	1/4W	R350	1-249-431-11		15K	5%	1/4W
1120	1 010 111 11	0.1120.			-, -:	R351	1-249-431-11		15K	5%	1/4W
R229	1-249-413-11	CARBON	470	5%	1/4W						
R230	1-249-413-11		470	5%	1/4W	R355	1-249-431-11	CARBON	15K	5%	1/4 <b>W</b>
R231	1-249-417-11		1K	5%	1/4W	R366	1-249-429-11	CARBON	10K	5%	1/4W
R232	1-247-807-31	CARBON	100	5%	1/4W	R367	1-249-429-11	CARBON	10K	5%	1/4W
R233	1-249-413-11	CARBON	470	5%	1/4W	R368	1-249-425-11	CARBON	4.7K	5%	1/4W
						R369	1-249-425-11	CARBON	4.7K	5%	1/4W
R234	1-249-413-11	CARBON	470	5 <b>%</b>	1/4W						
R235	1-249-413-11	CARBON	470	5 <b>%</b>	1/4W	R370	1-249-429-11	CARBON	10 <b>K</b>	5%	1/4W
R236	1-249-413-11	CARBON	470	5%	1/4W	R401	1-247-889-00		270K	5%	1/4W
R237	1-249-437-11	CARBON	47K	5%	1/4W	R402	1-249-404-00		82	5%	1/ <b>4W</b>
R251	1-249-425-11	CARBON	4.7K	5%	1/4W	R403	1-247-882-11		130K		1/4W
						R404	1-247-850-11	CARBON	6.2K	5%	1/4W
R252	1-249-411-11		330	5%	1/4W			a a priore		er a.	1 (477
R253	1-249-416-11		820	5%	1/4W	R411	1-247-889-00		270K		1/4W
R254	1-247-842-11		3K	5%	1/4W	R412	1-249-404-00		82	5%	1/4W
R255	1-249-420-11		1.8K		1/4W	R413	1-247-882-11		130K		1/4W
R256	1-249-424 <b>-</b> 11	CARBON	3.9K	5%	1/4W	R414	1-247-850-11		6.2K 22K		1/4W
norg	1 040 400 11	CADDON	1 07/	ΓN	1 /41	R416	1-249-433-11	CARDON	221	5%	1/4W
R257	1-249-420-11		1.8K		1/4W	R421	1-249-429-11	CADDON	10K	5%	1/4W
R258	1-247-838-00		2K	5% 5%	1/4W 1/4W	R421	1-249-429-11		15K	5%	1/4W
R259 R260	1-249-417-11 1-249-441-11		1K 100K		1/4W	R422 R423	1-249-431-11		3.3K		1/4W
R261	1-249-441-11		100k	ວກ 5%	1/4W	R423	1-249-423-11		1K	5%	1/4W
1.501	1~243-41/-11	CAMBON	7 17	O N	1/ 411	R424 R425	1-249-417-11		560	5%	1/4W
R262	1-249-425-11	CARBON ·	4.7K	5%	1/4W	KILO	. 510 414 11	5. <b>10</b> 011	000	5.0	-/
R265	1-249-423-11		330	5%	1/4W	R426	1-249-425-11	CARBON	4.7K	5%	1/4W
R280	1-249-411-11		10K	5%	1/4W	R427	1-249-433-11		22K	5%	1/4W
R281	1-249-423-11		15K	5%	1/4W	R428	1-249-417-11		1K	5%	1/4W
R282	1-249-434-11		27K	5%	1/4W						
_											

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.

Replace only with part number specified.

Les components identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.



Ref.No.	Part No.	Description			Remark
<del></del>					******
R431	1-249-430-11	CARBON	12K	5 <b>%</b>	1/4W
R441	1-249-433-11	CARBON	22 <b>K</b>	5%	1/4W
					1 / ATT
R442	1-247-807-31		100	5%	1/4W
R443	1-249-433-11		22K	5% 5~	1/4W
	1-249-425-11		4.7K		1/4W
	1-249-437-11		47K	5% 5°	1/4W
R446	1-249-421-11	CARBUN	2.2K	5%	1/4W
R447	1-249-421-11	CARRON	2.2K	5%	1/4W
R448	1-249-433-11		22K	5%	1/4W
	1-249-438-11		56K	5%	1/4W
	1-249-437-11		47K	5%	1/4W
	1-249-437-11		4.7	5%	1/4W
N451	1-243-303-11	CAIDON	4.7	3.0	1/411
R452	1-249-425-11	CARBON	4.7K	5%	1/4W
R453	1-249-409-11	CARBON	220	5%	1/4W
R454	1-249-409-11	CARBON	220	5%	1/4W F
R461	1-249-432-11	CARBON	18K	5%	1/4W
	1-247-876-11		75K	5%	1/4W
R463	1-249-432-11	CARBON	18 <b>K</b>	5%	1/4W
R464	1-249-437-11	CARBON	47K	5%	1/4W
R465	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-437-11	CARBON	47K	5%	1/4W
R467	1-247-864-11	CARBON	24K	5%	1/4W
D.100	1 040 400 11	O. PPON	007	<b></b>	1 / 470
R468	1-249-433-11		22K	5% ************************************	1/4W DM:CND,AEP,EE,UK)
DAGO	1 240 422 11				
R469	1-249-433-11		22K 22K	5% 5%	1/4W
R470	1-249-433-11				1/4W
R471 R472	1-249-424-11		3.9K 10K	5%	1/4W 1/4W
K472	1-249-429-11	CARDUN	101	J 70	1/4#
R473	1-249-434-11	CARBON	27K	5%	1/4W
R474	1-249-434-11		27K	5%	1/4₩
R476	1-249-430-11	CARBON	12 <b>K</b>	5%	1/4W
			(H4	50:AEP/	/H450M:AEP,EE,UK)
R476	1-247-856-00		11K	5%	1/4W
		(H450:G, IT	, E, AUS	, EA, MY,	SP/H450M:US,CND)
R478	1-249-433-11	CARBON	22 <b>K</b>	5 <b>%</b>	1/4W
		(1	H450:E	, AUS, EA	A, MY, SP/H450M:US)
R479	1-249-433-11	CADDON	22 <b>K</b>	5%	1/4W
AR481				5%	3W F
R482	1-215-905-11 1-249-427-11		10 6.8K	ວກ 5%	
R483			1.2K	5%	1/4W 1/4W
R484	1-249-418-11				
K484	1-249-441-11	CARBON	100K	5% 50:4FD	1/4W /H450M:AEP,EE,UK)
			(П4;	ou Mer/	ITTOOM ALF, EE, UA/
R485	1-249-437-11	CARBON	47K	5%	1/4W
				(H450:A	AEP/H450M:AEP,UK)
R493	1-249-425-11	CARBON	4.7K	<b>5%</b>	1/4W
R495	1~247-883-00	CARBON	150K	5%	1/4W
R496	1-247-887-00	CARBON	220 <b>K</b>	5%	1/4W
R613	1-249-427-11	CARBON	6.8K	5%	1/4W
		(H450	E, AUS,	EA,MY,	SP/H450M:US,CND)

Ref.No.	Part No.	Descripti	on Remark
R614	1-249-427-11	CARBON	6.8K 5% 1/4W (H450:E, AUS, EA, MY, SP/H450M:US, CND)
R620	1-249-439-11	CARBON	68K 5% 1/4W (H450:E. AUS, EA, MY, SP)
R621	1-249-437-11	CARBON	47K 5% 1/4W
R622	1-249-431-11	CARBON	15K 5% 1/4W
			(H450:E, AUS, EA, MY, SP)
R623	1-249-437-11	CARBON	47K 5% 1/4W
R630	1-249-439-11	CARBON	68K 5% 1/4W (H450:E, AUS, EA, MY, SP)
R631	1-249-437-11		47K 5% 1/4W
R632	1-249-431-11	CARBON	15K 5% 1/4W
			(H450:E, AUS, EA, MY, SP)
R633	1-249-437-11		47K 5% 1/4W
R730	1-249-425-11	CARBON	4.7K 5% 1/4W
	1-249-425-11		4.7K 5% 1/4W
R732	1-249-412-11		390 5% 1/4W
R733	1-249-412-11		390 5% 1/4W
	1-249-389-11		4.7 5% 1/4W (H450:G, IT)
R735	1-249-389-11	CARBON	4.7 5% 1/4W (H450:G, IT)
R750	1-249-425-11	CARBON	4.7K 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R750	1-249-433-11	CARBON	22K 5% 1/4W (H450:E, AUS, EA, MY, SP/H450M:US, CND)
R751	1-249-437-11	CARBON	47K 5% 1/4W (H450:AEP,G,IT/H450M:AEP,EE,UK)
R751	1-249-439-11	CARBON	68K 5% 1/4W (H450M:US,CND)
R752	1-249-415-11	CARBON	680 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R753	1-247-897-11	CARBON	560K 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R754	1-249-437-11	CARBON	47K 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R770	1-249-425-11	CARBON	4.7K 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R770	1-249-433-11	CARBON	22K 5% 1/4W (H450:E, AUS, EA, MY, SP/H450M:US, CND)
R771	1-249-437-11	CARBON	47K 5% 1/4W (H450:AEP,G,IT/H450M:AEP,EE,UK)
R771	1-249-439-11	CARBON	68K 5% 1/4W (H450M:US,CND)
R772	1-249-415-11	CARBON	680 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R773	1-247-897-11	CARBON	560K 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R774	1-249-437-11	CARBON	47K 5% 1/4W (H450:AEP, G, IT/H450M:AEP, EE, UK)
R780	1-249-429-11	CARBON	10K 5% 1/4W
R781	1-249-429-11	CARBON	10K 5% 1/4W
R785	1-249-437-11		47K 5% 1/4W (H450M:EE)
R1001	1-247-807-31		100 5% 1/4W

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

Les components identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

# MAIN POWER

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Descripti	on		Re	mark
		< VARIABLE RESIS	TOR >		-	< CAPACIT	OR >			
RV51		RES, ADJ, CARBON		C802	1-124-925-11			2uF	20%	100V
		RES, ADJ, CARBON	i	C803	1-162-282-31			)PF	10%	50V
		RES, ADJ, CARBON		C804	1-126-233-11		221		20%	50V
		RES, ADJ, CARBON		C805	1-126-964-11		10t		20%	50V
RV311	1-241-630-11	RES, ADJ, CARBON	10K	C807	1-164-159-11	CERAMIC	0. 1	luF		50V
RV401	1-241-630-11	RES, ADJ, CARBON	10K	C808	1-164-159-11	CERAMIC	0.1	luF		50V
RV403	1-241-630-11	RES, ADJ, CARBON	10K	C809	1-162-282-31	CERAMIC	100	)PF	10%	50V
RV404	1-241-767-21	RES, ADJ, CARBON	100K	C810	1-126-964-11	ELECT	10ι	ıF	20%	50V
RV411	1-241-630-11	RES, ADJ, CARBON	10K	C811	1-126-933-11	ELECT	100	)uF	20%	16V
RV451	1-241-628-11	RES, ADJ, CARBON	2.2K	C812	1-126-933-11	ELECT	100	OuF	20%	16V
		-		C0E2	1 194 095 11	EI E/YT	2.2	)F	200	100V
KV730	1-223-608-11	RES, VAR, CARBON	100K/100K	C852	1-124-925-11				20%	
				C853	1-162-282-31		100		10%	50V
		< SWITCH >		C854	1-126-233-11		22ı		20%	50V
				C855	1-126-964-11		10ı		20%	50V
S301	1-572-185-11	SWITCH, SLIDE (1	SS) (H450:AEP/H450M:AEP, EE, UK)	C857	1-164-159-11	CERAMIC	0. 1	luF		50V
				C858	1-164-159-11	CERAMIC	0.1	luF		50V
		< TRANSFORMER >		C859	1-162-282-31	CERAMIC	100		10%	50V
		C TRUBIOT ORGANIAC >		C860	1-126-964-11		10u		20%	50V
T1	1_400 505 11	COII (ANT SW3)	(H450:E, AUS, EA, MY, SP)	C901	1-126-954-11			00uF	20%	35V
T2			H450:E, AUS, EA, MY, SP)	C902	1-126-953-11			)OuF	20%	35V
T51				0302	1-120-333-11	LILLO I	220	our -	20%	334
T401			PONENT (H450:G, IT)	C903	1 164 150 11	CEDAMIC	0.1			50V
1401	1-433-349-11	TRANSFORMER, BIA	S OSCILLATION		1-164-159-11					
		TENTAL		C904	1-164-159-11		0.1			50V
		< TERMINAL >		C905	1-164-159-11		0.1		00%	50V
mr				C910	1-126-964-11		10u		20%	50V
TB1	1-537-488-11	TERMINAL BOARD ( (H4	ANTENNA) 50:AEP, G, IT/H450M:AEP, EE, UK)	C911	1-126-964-11	ELECT	10u	ır	20%	50V
TB1	1-537-238-21	TERMINAL BOARD (		C912	1-124-927-11	ELECT	4.7	'uF	20%	100V
		(H450:	E, AUS, EA, MY, SP/H450M:US, CND)	C913	1-124-927-11	ELECT	4.7	'uF	20%	100V
TM730	1-537-238-11	TERMINAL BOARD (		C914	1-124-903-11		luF	;	20%	50V
	1 00. 100 11			C915	1-124-927-11		4.7		20%	100V
		< VIBRATOR >		C916	1-124-927-11		4.7		20%	100V
X21	1-579-585-11	VIBRATOR, CRYSTA	L (7.2MHz)	C917	1-161-379-00	CERAMIC	0.0	1uF	20%	25V
X51	1-579-777-11	DISCRIMINATOR, C	ERAMIC (10.7MHz)	C918	1-126-964-11	ELECT	10u	F	20%	50V
X52	1-577-075-11	OSCILLATOR, CERA	MIC (456kHz)	C919	1-161-379-00	CERAMIC	0.0	luF	20%	25V
X351		VIBRATOR, CERAMI		C920	1-126-964-11		10u		20%	50V
			********	C921	1-126-969-11		220		20%	50V
*	A-4369-111-A	POWER BOARD, COM	PLETE	C922	1-164-159-11	CERAMIC	0.1	uF		50V
			(H450; AEP, AUS/H450M; AEP, EE)	C923	1-164-159-11	CERAMIC	0.1	uF		50V
*	A-4369-104-A	POWER BOARD, COM	PLETE (H450M:UK)	C924	1-126-964-11	ELECT	10u	F	20%	50V
*	A-4369-110-A	POWER BOARD, COM	PLETE (H450M:US)	C925	1-126-964-11	ELECT	10u	F	20%	50V
*	A-4369-121-A	POWER BOARD, COM	PLETE (H450:E, EA, MY, SP)	C926	1-126-964-11	ELECT	10u	F	20%	50V
*	A-4369-122-A	POWER BOARD, COM	PLETE (H450M:G, IT)	COULT	1-161-379-00	CEDANIC	0.0	luF	20%	25V
*	A 4271 940 A	POWER BOARD, COM	DIFTE (HASOM: CND)	C3001	1-101-0/9-00	CENTAINIT				ONTO, AEP, EE)
•	n-43/1-249-A		PLEIE (H45UM:UND)	CUUUS	1-161-379-00	CEDANTO				(H450:G, IT)
		· · · · · · · · · · · · · · · · · · ·					0.01uF	20%		
	4 005 500 01	DIATE COOMS (1	AEO GLAFONALIÓ OND ADD DD)	C9003	1-161-379-00	CERAMIC	0.01uF	20%	ZDV (	H450:G, IT)
*	4-925-530-01	PLATE, GROUND (H	450/H450M:US, CND, AEP, EE)			< CONNECTO	OR >			
				CN901	1-695-657-11	CONNECTOR.	FFC/FPC	9P		
			•		==					

# **POWER**

Ref.No.	Part No.	Description		Remark		Ref. No.	Part No.	Description	n _			Remark ————
<b>★</b> CN902	1-568-950-11	PIN. CONNECTO	OR 12P			R802	1-249-437-11	CARBON	47K	5%	1/4W	
			OR (PC BOARD)	2P		R803	1-249-435-11	CARBON	33K	5%	1/4W	
. 01.200	1 000 200 01	1111, 001112011	· ( · · · · · · · · · · · · · · · · · ·		i	R804	1-249-416-11	CARBON	820	5%	1/4W	
		< DIODE >				R805	1-247-903-00		1M	5%	1/4W	
DO01	8-719-987-63	DIODE 1N414	4011			R806	1-249-438-11	CARRON	56K	5%	1/4W	
D801	8-719-987-63					R809	1-249-389-11		4.7	5%	1/4W	
D802						1003	1-243-303-11	CARDON	1.7	0.0		/H450M:AEP,EE,UK
D901	8-719-933-41					R809	1-249-381-11	CADRON	1	5%		(H450M:CND)
D902	8-719-933-50								100K		1/4W	(11430M.CND)
D903	8-719-200-82	DIODE 11ES	Z			R810	1-249-441-11			5%	1/4W	
D904	8-719-934-22	DIODE HZS30	n_2I			R811	1-249-389-11	CARBON	4.7	370	1/411	
D905	8-719-014-74					R812	1-249-438-11	CARBON	56K	5%	1/4W	
D906	8-719-312-09					R851	1-249-417-11		1K	5%	1/4W	
D300	0-719-312-09	DIODE IOA-	402			R852	1-249-437-11		47K	5%	1/4W	
		. PUCP .			1	R853	1-249-435-11		33K	5%	1/4W	
		< FUSE >			1		1-249-435-11		820	5%	1/4W	
			(0=011) (111=0.1			R854	1-249-410-11	CARDON	040	370	1/411	
1√F901			/250V) (H450:1			P.0==	1 045 000 00	OADBON	117	F.04	1 / 479	
\F901			250V) (H450M:U		-	R855	1-247-903-00		1M	5%	1/4W	
<b>1</b> F902	1-532-215-00	FUSE (TO.8A/	250V) (H450/H	450M:AEP,EE,UK)	[	R856	1-249-437-11		47K	5%	1/4W	
∆F912	1-532-783-41	FUSE (5A) (H	450M:US)			R859	1-249-389-11	CARBON	4.7	5%	1/4W	
<b>≙</b> F913	1-532-783-41	FUSE (5A) (H	450M:US)							(H		SOM: US, AEP, EE, UK
						R859	1-249-381-11	CARBON	1	5%	1/4W	(H450M:CND)
		< FERRITE BE	AD >			R901	1-247-807-31	CARBON	100	5%	1/4W	
		TIME COMPANY OF THE	(!!	<b>\</b>		DOOG	1 040 400 11	CADDON	10V	- C4	1 /497	
			H (H450:G, IT)			R902	1-249-432-11		18K	5%	1/4W	
<b>≮</b> FB903	1-410-858-11	INDUCTOR OU	H (H450:G, IT)	)	1	R903	1-247-856-00		11K	5%	1/4W	
						R904	1-249-432-11		18K	5%	1/4W	
		< FUSE HOLDE	R >			R905	1-247-842-11		3K	5%	1/4W	
						R906	1-249-425-11	CARBON	4.7K	5%	1/4W	
FH901	1-533-217-31	HOLDER, FUSE	(H450M:US, CNI	D)								
FH902	1-533-217-31	HOLDER, FUSE	(H450M:US, CNI	D)		R907	1-249-414-11	CARBON	560	5 <b>%</b>	1/4W	
FH903	1-533-217-31	HOLDER, FUSE	(H450/H450M:	AEP, EE, UK)		R908	1-249-429-11	CARBON	10K	5 <b>%</b>	1/4W	
FH904	1-533-217-31	HOLDER, FUSE	(H450/H450M:/	AEP, EE, UK)		R909	1-249-422-11	CARBON	2.7K	5%	1/4W	
						R910	1-247-903-00	CARBON	1M	5%	1/4₩	
		< IC >				R911	1-202-725-00	SOLID	3.3M	10%	1/2W	(H450M:US, CND)
10001	0 850 500 01	TO 01 1055	,			A D010	1 010 104 11	PHOTDLE	0.1	10%	1 / 479	F (H450M:UK)
	8-759-502-31					AR912	1-219-134-11 1-219-134-11		0.1	10%		F (H450M:UK)
	8-759-502-31					AR913			4.7		_,	F (H450M:US)
1C901	8-759-602-66	IC M5230L-	A		1	AR914	1-212-849-00			5%		
						/\K914	1-212-934-00	FUSTBLE	1	5%	1/2W	
		< IC LINK >										M:CND, AEP, EE, UK
						<b></b> AR915	1-212-934-00	FUSTBLE	1	5%	1/2W	-
			50/H450M: AEP, 1								(H450/	H450M: AEP, EE, UK
ATCP913	1-532-847-21	LINA, IC (H4	50/H450M:AEP, I	EL)		A DOIS	1-212-851-00	ENGINE	5.6	<u>ς</u> α	1 / 400	F (H450M:US, CN
		#D + 110 - 2 m2 -				AR915			5.6	5%		
		< TRANSISTOR	>			<b>∧</b> R916	1-212-934-00	LOSIBLE	1	5%	1/2₩	
	_				}	A 55.5.5		DIOTRI -				H450M: AEP, EE, UK
Q801	8-729-119-78		2SC2785-HFE			AR916	1-212-849-00		4.7	5%		F (H450M:US, CN
Q802	8-729-119-78		2SC2785-HFE			<b></b> AR917	1-202-972-61		1	5%	1/4W	
Q803	8-729-119-78	TRANS1STOR	2SC2785-HFE			∕AR918	1-202-972-61	FUSIBLE	1	5%	1/4W	F
Q804	8-729-119-78		2SC2785-HFE									
Q901	8-729-209-15	TRANSISTOR	2SD2012			<b>∧</b> R919	1-212-934-00	FUSIBLE	1	5%	1/2W	F
Q902	8-729-141-83	DATE LENART	2SB1094-LK					< RELAY >				
Q902 Q903	8-729-900-80		DTC114ES									
Q904	8-729-209-15		2SD2012			RY801	1-515-920-11	RELAY (24V	)			
Q905	8-729-209-15		2SD2012 2SD2012			-1.501						
Q906	8-729-141-83		2SB1094-LK		1							
<b>₩</b> ₽00	0-141-83	MATCHOM	7001024-FV			The co-	nnonento ident	ified by	Lac	00000	mente :	dentifiés par une
		< RESISTOR >					nponents ident or dotted line					dentifies par une critiques pour
		, VEDIDION >					critical for safe			curité.		iqueapoui
R801	1-249-417-11	CARBON 1	K 5% 1/4	4W			only with part	•				que par me pièce
	1-643-411-11	CHADON I	. UN 1/'	***		specifie		. nontoci				spécifié
						1 SPECIFIC	u.		1 porti	ant t⊂ l	THILLICIO	SPECIAL,

#### HCD-H450/H450M

## **POWER**

Ref.No.	Part No.	Description Remark
		< SWITCH >
<b></b> \$\$901	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGESELECTOR) (H450:E, EA, MY, SP)
		< TRANSFORMER >
<b>∆</b> T901	1-426-656-11	TRANSFORMER, POWER (H450:AUS/H450M:UK)
<b>∆</b> T901	1-426-657-11	TRANSFORMER, POWER
		(H450:AEP, G, IT/H450M:AEP, EE)
<b>∆</b> T901	1-426-658-11	TRANSFORMER, POWER (H450M:US, CND)
<b>∆T901</b>	1-426-659-11	TRANSFORMER, POWER (H450:E, EA, MY, SP)
*****	*****	*************
		MISCELLANEOUS
		*******
9	1-501-594-21	ANTENNA (FM) (H450:G, IT)
62	1-765-125-11	WIRE (FLAT TYPE) (9 CORE)
63	1-765-124-11	WIRE (FLAT TYPE)
<b></b> 1.65	1-569-007-11	ADAPTER, CONVERSION 2P (H450:E, AUS)

1-569-008-11 ADAPTER, CONVERSION 2P (H450:EA, MY, SP)

253	1-452-719-11 MAGNET ASSY
<b>∆305</b>	8-848-144-11 DEVICE, OPTICAL KSS-240A
306	1-575-001-11 WIRE, FLAT TYPE (12 CORE

306 1-575-001-11 WIRE, FLAT TYPE (12 CORE) ANT1 1-501-321-51 ANTENNA, TELESCOPIC (H450)

△CNP901 1-558-943-41 CORD. POWER (H450:E)

ACNP901 1-575-042-31 CORD, POWER (H450M:US, CND)

ACNP901 1-575-651-91 CORD, POWER

A66

(H450: AEP, G, IT, EA, MY, SP/H450M: AEP, EE)

HE1 1-543-673-11 HEAD, MAGNETIC (ERASE) (DECK:B)

HP1 1-543-319-11 HEAD, MAGNETIC (PB) (DECK:A) HRP1 1-543-319-11 HEAD, MAGNETIC (REC/PB) (DECK:B)

M1 X-3362-377-1 MOTOR (WH) ASSY

M151 A-4604-363-A MOTOR (L) ASSY (LOADING)

 $\mbox{M301} \qquad \mbox{X-4917-523-3} \mbox{ MOTOR ASSY (SPINDLE)}$ 

M302 X-4917-504-1 MOTOR ASSY (SLED)

AT901 1-426-656-11 TRANSFORMER, POWER (H450; AUS/H450M; UK)

(H450: AEP, G, IT/H450M: AEP, EE)

 $\triangle$ T901 1-426-658-11 TRANSFORMER, POWER (H450M:US, CND)

## ACCESSORIES & PACKING MATERIALS

*	3-376-136-01	CUSHION	(HALF)	
*	4-965-152-01	CUSHION	(FRONT)	(US,

\* 4-965-152-01 CUSHION (FRONT) (US, CND, AEP, UK)

\* 4-965-153-01 CUSHION (REAR) (US, CND, AEP, UK)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Ref.No.	Part No.	Description		Remark	
	<del></del>				
*************					

## HARDWARE LIST

#1	7-621-255-10 SCREW +PTT 2X3 (S)
#2	7-621-255-25 SCREW +PTT 2X4 (S)
#3	7-621-775-20 SCREW +B 2.6X5
#4	7-623-921-01 RING, RETAINING, CAPSTAN
#5	7-682-547-09 SCREW +BVTT 3X6 (S)
#6	7-682-550-09 SCREW +BVTT 3X12 (S) (H450)
#7	7-685-133-19 SCREW +P 2.6X6 TYPE2
#8	7-685-533-19 SCREW +BTP 2.6X6 TYPE2 N-S
#9	7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3
#10	7-685-647-79 SCREW +BVTP 3X10 TYPE2 N-S
#11	7-685-870-01 SCREW +BVTT 3X5 (S)
#12	7-688-001-01 W 2, SMALL
#13	7-621-255-15 SCREW +P 2X3

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

Les components identifiés par une marque  $\triangle$  sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

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